

01

TECHNICAL DATA SHEET (TDS)

TÀI LIỆU KỸ THUẬT SẢN PHẨM



DEMEX EPOXY TILE GROUTS - Two-component Epoxy Tile Grout (Glossy finish)

Keo chà ron epoxy hai thành phần – bề mặt bóng

Included documents / Tài liệu gồm:

- Vietnamese TDS – Phiên bản 2025
- English TDS – Rev.2025
- Product specification and application information
- Test reports – Kết quả thí nghiệm



This section contains the product data sheets used for material approval.

Phần này bao gồm TDS phục vụ trình duyệt vật tư.



Epoxy Tile Grouts

Keo chà ron epoxy hai thành phần – bề mặt bóng

Mô tả sản phẩm

DEMEX Epoxy Tile Grouts là keo chà ron epoxy hai thành phần (A và B), đóng gói dạng chai đôi 400 g, trộn qua vòi trộn theo tỷ lệ 1A:1B. Sau khi đóng rắn, đường ron cứng như men sứ, bề mặt sáng bóng, chống thấm nước, chống bám bẩn và kháng nấm mốc.

Phạm vi ứng dụng

- Chà ron cho gạch cao cấp, đá tự nhiên, đá cẩm thạch (marble) và nhiều vật liệu ốp lát khác.
- Dùng cho sàn và tường, ở cả khu vực khô ráo và khu vực chịu ẩm.

Khu vực	Khô ráo	Chịu ẩm
Sàn	•	•
Tường	•	•

Đặc tính sản phẩm

- Cứng như men sứ, không sụp lún, không nứt, tuổi thọ cao.
- Chống thấm nước, chống nấm mốc và ngăn vi khuẩn phát triển.
- Màu sắc tươi sáng, bề mặt sáng bóng; màu cao cấp, không phai.
- Bề mặt mịn, chống bám bẩn, chống mài mòn, dễ vệ sinh.
- Không mùi, thân thiện với môi trường, không gian thoáng mát.
- Chịu thời tiết khắc nghiệt, thích nghi nhiều môi trường khí hậu.
- Dễ thi công, dụng cụ dễ sử dụng; hóa rắn nhanh, năng suất cao.

Quy cách và bảo quản

Đóng gói	Chai đôi 400 g/bộ; 30 bộ/thùng
Màu sắc	23 màu (E01 – E23)
Hạn sử dụng	12 tháng kể từ ngày sản xuất, bao bì còn nguyên
Bảo quản	Nơi khô ráo, thoáng khí

Bảng màu

E01 Trắng Sáng	E02 Vàng Kem
E03 Bạc Kim Tuyến	E04 Ghi Trắng Mờ
E05 Ghi Sáng	E06 Ghi Bạc
E07 Xám Ghi	E08 Ghi Kim Tuyến
E09 Xám Kim Loại	E10 Màu Bạc
E11 Xanh Ghi Kim Tuyến	E12 Vàng Kim Tuyến
E13 Vàng Kim Tuyến Lớn	E14 Vàng Sờa
E15 Xám Cà Phê	E16 Nâu Kim Tuyến Nhạt
E17 Đen Ngọc Trai	E18 Ghi Cát Gỗ
E19 Ghi Sờa Cà Phê	E20 Kem Nâu Sáng
E21 Vàng Ngọc Trai	E22 Ghi Sáng Mờ
E23 Xám Nước	

Định mức tiêu thụ

Độ phủ 1 bộ keo 400 g theo bề rộng đường ron (m²)

Kích thước gạch	1 mm	2 mm	3 mm
100x100 cm	18	17	16,5
80x80 cm	14	13	12,5
60x80 cm	13	11,5	11
40x80 cm	9	8	7,5
60x120 cm	13	12,5	12
60x60 cm	11,5	10,5	10
30x60 cm	8,5	7,5	7
50x50 cm	9,5	8,5	8
40x40 cm	8	7	6,5

Độ sâu ron tiêu chuẩn 3 – 5 mm. Định mức theo mét dài: 1 bộ 400 g dùng cho 23 – 25 m dài ron. Số liệu tham khảo, lượng dùng thực tế phụ thuộc tay nghề thợ thi công.

Hướng dẫn thi công

Nhiệt độ thi công: từ +5 °C đến +45 °C.

Bước 1

Vệ sinh đường ron: Dùng dụng cụ cạo ron chuyên dụng nạo sạch đường ron cũ; loại bỏ cát, xi măng và chất bẩn. Đảm bảo độ sâu đường ron lớn hơn 3 mm, khe ron không ẩm ướt, không bụi bẩn hay dị vật.

Bước 2

Lấp vôi trộn và bơm keo: Điều chỉnh đầu vôi theo độ rộng khe ron. Thoa sáp tách lớp lên bề mặt gạch, xả bỏ 20 – 30 cm keo đầu để hai thành phần trộn đều theo tỷ lệ 1A:1B, sau đó bơm keo đều vào khe ron.

Bước 3

Chà ron: Dùng dụng cụ miết ron chuyên dụng miết vào đường ron đã bơm keo. Chọn dụng cụ miết phù hợp với độ rộng đường ron.

Bước 4

Loại bỏ keo thừa (rỉa ron): Chờ 3 – 5 giờ để keo khô, sau đó dùng dụng cụ sủi ron chuyên dụng loại bỏ phần keo thừa.

Thông số kỹ thuật

Chỉ tiêu	Giá trị
Đặc điểm	Chống thấm, chống bẩn, bền đẹp, an toàn, nhiều màu, dễ thi công, kháng nấm mốc
Trọng lượng riêng	1,14 g/cm ³
Tỷ lệ trộn	1A : 1B
Thời gian khô bề mặt (*)	3 – 5 giờ
Giới hạn độ bền kéo	9,61 MPa
Nhiệt độ thi công	+5 °C ~ +45 °C

(*) Thời gian khô thay đổi theo màu keo và nhiệt độ. Các thí nghiệm thực hiện trong phòng thí nghiệm ở (23 ± 2) °C, độ ẩm tương đối (50 ± 5) %. Kết quả tại hiện trường có thể khác do điều kiện và phương pháp thi công.

Chỉ tiêu chất lượng

Tiêu chuẩn áp dụng: ISO 13007-3:2010 – Keo chà ron cho gạch gốm sứ

Chỉ tiêu	Phương pháp thử	Yêu cầu	Kết quả
Độ mài mòn	ISO 13007-3:2010	$\leq 250 \text{ mm}^3$	72 mm ³
Độ co ngót	ISO 13007-3:2010	$\leq 1,5 \text{ mm/m}$	0,8 mm/m
Độ bền uốn trong điều kiện tiêu chuẩn	ISO 13007-3:2010	$\geq 30 \text{ N/mm}^2$	$> 58 \text{ N/mm}^2$
Độ bền nén trong điều kiện tiêu chuẩn	ISO 13007-3:2010	$\geq 45 \text{ N/mm}^2$	$> 93 \text{ N/mm}^2$
Độ hút nước sau 240 phút	ISO 13007-3:2010	$\leq 0,1 \text{ g}$	0,05 g

Mẫu không bị gãy trong phép thử độ bền uốn và độ bền nén ở điều kiện tiêu chuẩn do có độ dẻo cao.

An toàn sức khỏe và môi trường

Chỉ tiêu	Phương pháp / Quy định	Giới hạn	Kết quả
Phát thải VOC trong không khí trong nhà	Quy định VOC của Pháp (ISO 16000)	Hạng A+: TVOC < 1.000 µg/m ³	A+ (TVOC 100 µg/m ³)
Formaldehyde tự do	GB 18583-2008	$\leq 1,0 \text{ g/kg}$	Không phát hiện
Nonylphenol ethoxylate (NPEO) và Nonylphenol (NP)	REACH (EC) 1907/2006 – Phụ lục XVII, mục 46	$\leq 1.000 \text{ mg/kg}$	Không phát hiện
241 chất SVHC trong danh mục ứng viên	REACH (EC) 1907/2006	$\leq 0,1 \text{ \% (w/w)}$	Đạt

Giới hạn sử dụng

- Không sử dụng như chất kết dính kết cấu.
- Không phù hợp sử dụng với các loại nhựa chống dính.

Thông tin an toàn và sức khỏe

- Để xa tầm tay trẻ em.
- Người sử dụng cần tham khảo thông tin và khuyến cáo về an toàn sử dụng, lưu trữ, thải bỏ sản phẩm trong tài liệu an toàn hóa chất mới nhất (lý tính, hóa tính, tính độc hại, sinh thái học và các chỉ tiêu an toàn liên quan).
- Sinh thái học: không đổ bỏ vào nguồn nước.
- Đổ bỏ chất thải: theo quy định địa phương.

Epoxy Tile Grouts

Two-component epoxy tile grout – glossy finish

Product description

DEMEX Epoxy Tile Grouts is a two-component (A + B) epoxy tile grout supplied in a 400 g dual cartridge and mixed through a static mixing nozzle at 1A:1B. Once cured, the joints are as hard as glazed ceramic, glossy, waterproof, stain resistant and mould resistant.

Where to use

- Grouting of premium tiles, natural stone, marble and many other tiling materials.
- Floors and walls, in both dry and wet areas.

Area	Dry	Wet
Floor	•	•
Wall	•	•

Product features

- Hard as glazed ceramic, no sinking, no cracking, long service life.
- Waterproof, mould resistant and inhibits bacterial growth.
- Bright colours and glossy finish; premium, non-fading colours.
- Smooth surface, stain and abrasion resistant, easy to clean.
- Odourless and environmentally friendly for fresh indoor spaces.
- Withstands harsh weather and suits many climates.
- Easy to apply with simple tools; fast curing, high productivity.

Packaging and storage

Packaging	400 g dual cartridge/set; 30 sets/carton
Colours	23 colours (E01 – E23)
Shelf life	12 months from date of manufacture in unopened packaging
Storage	Dry, well-ventilated place

Colour range

E01 Trắng Sáng	E02 Vàng Kem
E03 Bạc Kim Tuyến	E04 Ghi Trắng Mờ
E05 Ghi Sáng	E06 Ghi Bạc
E07 Xám Ghi	E08 Ghi Kim Tuyến
E09 Xám Kim Loại	E10 Màu Bạc
E11 Xanh Ghi Kim Tuyến	E12 Vàng Kim Tuyến
E13 Vàng Kim Tuyến Lớn	E14 Vàng Sữa
E15 Xám Cà Phê	E16 Nâu Kim Tuyến Nhạt
E17 Đen Ngọc Trai	E18 Ghi Cát Gỗ
E19 Ghi Sữa Cà Phê	E20 Kem Nâu Sáng
E21 Vàng Ngọc Trai	E22 Ghi Sáng Mờ
E23 Xám Nước	

Consumption

Coverage of one 400 g set by joint width (m²)

Tile size	1 mm	2 mm	3 mm
100x100 cm	18	17	16.5
80x80 cm	14	13	12.5
60x80 cm	13	11.5	11
40x80 cm	9	8	7.5
60x120 cm	13	12.5	12
60x60 cm	11.5	10.5	10
30x60 cm	8.5	7.5	7
50x50 cm	9.5	8.5	8
40x40 cm	8	7	6.5

Standard joint depth 3 – 5 mm. Linear coverage: one 400 g set grouts 23 – 25 linear metres of joint. Values are for reference; actual consumption depends on the applicator.

Application

Application temperature: +5 °C to +45 °C.

Step 1

Clean the joints: Scrape out old grout with a dedicated grout rake; remove sand, cement and dirt. Make sure joints are deeper than 3 mm, dry and free of dust and foreign matter.

Step 2

Fit the mixing nozzle and dispense: Cut the nozzle to suit the joint width. Apply release wax on the tile surface, discard the first 20 – 30 cm of grout so that both components are mixed evenly at 1A:1B, then inject grout evenly into the joints.

Step 3

Tool the joints: Press and tool the grout into the joints with a dedicated grout tool selected to suit the joint width.

Step 4

Remove excess grout: Allow 3 – 5 hours for the grout to dry, then remove excess grout with a dedicated grout scraper.

Technical data

Property	Value
Characteristics	Waterproof, stain resistant, durable, safe, multi-colour, easy to apply, mould resistant
Density	1.14 g/cm ³
Mixing ratio	1A : 1B
Surface drying time (*)	3 – 5 hours
Tensile strength	9.61 MPa
Application temperature	+5 °C ~ +45 °C

(*) Drying time varies with grout colour and temperature. Tests were carried out in the laboratory at (23 ± 2) °C and (50 ± 5) % relative humidity. Site results may differ depending on conditions and application method.

Quality performance

Standard: ISO 13007-3:2010 – Grouts for ceramic tiles

Property	Test method	Requirement	Result
Abrasion resistance	ISO 13007-3:2010	$\leq 250 \text{ mm}^3$	72 mm^3
Shrinkage	ISO 13007-3:2010	$\leq 1.5 \text{ mm/m}$	0.8 mm/m
Flexural strength under standard conditions	ISO 13007-3:2010	$\geq 30 \text{ N/mm}^2$	$> 58 \text{ N/mm}^2$
Compressive strength under standard conditions	ISO 13007-3:2010	$\geq 45 \text{ N/mm}^2$	$> 93 \text{ N/mm}^2$
Water absorption after 240 min	ISO 13007-3:2010	$\leq 0.1 \text{ g}$	0.05 g

Specimens did not break in the flexural and compressive strength tests under standard conditions owing to their high flexibility.

Health and environmental performance

Property	Method / Regulation	Limit	Result
Indoor air VOC emissions	French VOC Regulation (ISO 16000)	Class A+: TVOC $< 1,000 \text{ }\mu\text{g/m}^3$	A+ (TVOC 100 $\mu\text{g/m}^3$)
Free formaldehyde	GB 18583-2008	$\leq 1.0 \text{ g/kg}$	Not detected
Nonylphenol ethoxylates (NPEO) and nonylphenol (NP)	REACH (EC) 1907/2006 – Annex XVII, entry 46	$\leq 1,000 \text{ mg/kg}$	Not detected
241 SVHC in the Candidate List	REACH (EC) 1907/2006	$\leq 0.1 \text{ \% (w/w)}$	Pass

Limitations

- Not to be used as a structural adhesive.
- Not suitable for use on non-stick plastics.

Health and safety

- Keep out of reach of children.
- Refer to the latest safety data sheet for information and recommendations on safe use, storage and disposal (physical, chemical, toxicological, ecological and other safety-related data).
- Ecology: do not discharge into water sources.
- Waste disposal: in accordance with local regulations.



DEMEX VIETNAM INTERNATIONAL CO., LTD

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Disclaimer: Information on Demex products is given in good faith based on our knowledge and experience when products are properly stored, handled and applied under normal conditions. Because materials, substrates and actual site conditions vary, users must verify the suitability of the product for the intended application and refer to the latest technical data sheet.

02

TEST REPORTS & CERTIFICATES

KẾT QUẢ THÍ NGHIỆM VÀ CHỨNG NHẬN



DEMEX EPOXY TILE GROUTS – Two-component Epoxy Tile Grout (Glossy finish)

Keo chà ron epoxy hai thành phần – bề mặt bóng



STT	Nội dung thử nghiệm / Test	Đơn vị thử nghiệm	Số báo cáo	Ngày	Trang
1	Chỉ tiêu cơ lý – ISO 13007-3:2010 <i>Grout properties – ISO 13007-3:2010</i>	SGS-CSTC Ningbo	NBIN2407002029PL06_EN	19/09/2024	9
2	Phát thải VOC – hạng A+ (Quy định VOC Pháp) <i>VOC emissions – Class A+ (French VOC Regulation)</i>	Eurofins Shenzhen	EFSN25010597C-V	26/01/2025	12
3	Formaldehyde tự do – GB 18583-2008 <i>Free formaldehyde – GB 18583-2008</i>	SGS-CSTC Shanghai	SHAPH24016058101	01/08/2024	16
4	REACH – NPEO và NP (Phụ lục XVII, mục 46) <i>REACH – NPEO & NP (Annex XVII, entry 46)</i>	SGS-CSTC Shanghai	SHAPH24016058102	01/08/2024	19
5	REACH – 241 chất SVHC <i>REACH – 241 SVHC screening</i>	SGS-CSTC Shanghai	SHAPH24016058103	01/08/2024	22



This section contains independent laboratory test reports for the product.

Phần này bao gồm các phiếu kết quả thí nghiệm của phòng thí nghiệm độc lập.



TEST REPORT

No. : NBIN2407002029PL06_EN

Date : 2024-09-19

Page: 1 of 3



CUSTOMER NAME: DEMEX (SHANGHAI) NEW MATERIAL CO., LTD
ADDRESS: 3F, NO.940, JIANCHUAN ROAD, SHANGHAI

Sample Name : EPOXY TILE GROUTS

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

Date of Receipt : 2024-07-15
Testing Period : 2024-07-15 ~ 2024-09-19
Test result(s) : For further details, please refer to the following page(s)
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for
SGS-CSTC Standards Technical
Services Co., Ltd Ningbo Branch.

Dick Zhao
Authorized signatory



SGS-CSTC Standards Technical Services Co., Ltd.
Ningbo Branch

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Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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TEST REPORT

No. : NBIN2407002029PL06_EN

Date : 2024-09-19

Page: 2 of 3

Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Abrasion resistance	ISO 13007-3: 2010	72mm ³	Pass
2	Shrinkage		0.8mm/m	Pass
3	Flexural strength under standard conditions		>58N/mm ²	Pass
4	Compressive strength under standard conditions		>93 N/mm ²	Pass
5	Water absorption after 240min		0.05g	Pass

Note: Pass : Meet the requirements;
Fail : Does not meet the requirements;
N/A : Not Apply to the judgment.

Original Sample Photo:



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TEST REPORT

No. : NBIN2407002029PL06_EN

Date : 2024-09-19

Page: 3 of 3

Test Method: ISO 13007-3: 2010 Ceramic tiles Grouts and adhesives Part 3: Terms, definitions and specifications for grouts Second Edition

Test Result:

Test Item	Test Results	Technical Requirements	Conclusion
Abrasion resistance	72mm ³	≤250 mm ³	Pass
Shrinkage	0.8mm/m	≤1.5 mm/m	Pass
Flexural strength under standard conditions	>58N/mm ²	≥30 N/mm ²	Pass
Compressive strength under standard conditions	>93 N/mm ²	≥45 N/mm ²	Pass
Water absorption after 240min	0.05g	≤0.1g	Pass

Note: Sample cannot be broken during flexural and compressive strength under standard conditions test for its high flexibility.

- All above tests were carried out by external laboratory assessed as competent.
- The test report shall only be used for clients' scientific research, teaching, internal quality control, product research and development, etc... and just for internal reference.

*****End of report*****



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Ningbo Branch

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TEST REPORT

APPLICANT : DEMEX VIETNAM INTERNATIONAL COMPANY LIMITED

ADDRESS : NO.172, LE HONG PHONG STREET, WARD 3, DISTRICT 5, HO CHI MINH CITY, VIET NAM.

TESTED SAMPLE DESCRIPTION : EPOXY TILE GROUTS

TESTED STYLE / ITEM NO. : NA

SUPPLIER : NA

COUNTRY OF ORIGIN : CHINA

COUNTRY OF DESTINATION : NA

SAMPLE RECEIVED DATE : JAN. 13, 2025

TEST PERIOD : JAN. 13, 2025 TO JAN. 26, 2025

RESULT SUMMARY :

The following test item(s) was/were performed on submitted sample(s) and/or component(s) confirmed by applicant.

TEST(S) REQUESTED BY APPLICANT:	RESULT
French VOC Regulation	A+

*****FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S)*****

SIGNED FOR AND ON BEHALF OF
EUROFINS TESTING TECHNOLOGY (SHENZHEN) CO., LTD.



James Luo
Senior VOC Testing Engineer



Jack Lu
Senior Operations Manager



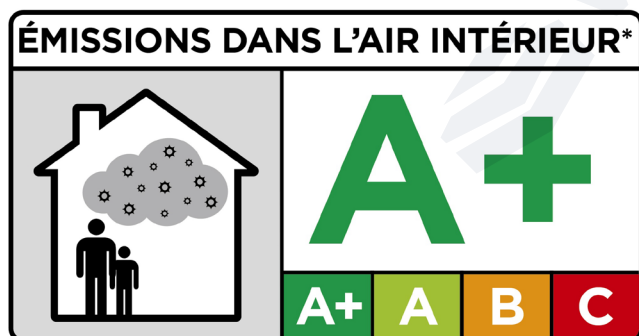
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Unless otherwise required by the applicant or method/regulation, decision rule in this report did not consider the measurement uncertainty.

Test Method

Method	Principle	Parameter	Detection Limit	Uncertainty
ISO 16000 parts -3, -6, -9, -11	TDS-GC/MS	VOC CMR	5 µg/m³ 1 µg/m³	17.5% (RSD) U = 2 x RSD= 35%
	HPLC/UV	Volatile aldehydes	5 µg/m³	16% (RSD) U = 2 x RSD= 32%
Test chamber parameter				
Chamber volume (L):	119	Temperature (°C):	23	Relative humidity (%): 50
Air change rate (per hour):	0.5	Loading ratio (m²/m³)	0.007	
Test condition: Sample stayed in test chamber during the whole 7 days testing period.				

Resulting VOC Emissions Class Label

This recommendation is based on French regulation as published on 25 March 2011 (décret DEVL1101903D) and on 13 May 2011 (arrêté DEVL1104875A) modified in February 2012 (DEVL1133129A).. For details please see www.eurofins.com/france-voc.



**Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions)*

The tested product **fulfills** the requirements of the French regulation DEVP09908633A of 30 April 2009 and DEVPP0910046A of 28 May 2009. For details please see www.eurofins.com/france-voc.

TO BE CONTINUED

Eurofins Testing Technology (Shenzhen) Co., Ltd.

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Test Result

	Concentration after 7 days $\mu\text{g}/\text{m}^3$	C	B	A	A+
TVOC	100	>2000	<2000	<1500	<1000
Formaldehyde	<5	>120	<120	<60	<10
Acetaldehyde	<5	>400	<400	<300	<200
Toluene	<5	>600	<600	<450	<300
Tetrachloroethylene	<5	>500	<500	<350	<250
Ethylbenzene	<5	>1500	<1500	<1000	<750
Xylene	<5	>400	<400	<300	<200
Styrene	<5	>500	<500	<350	<250
2-Butoxyethanol	<5	>2000	<2000	<1500	<1000
Trimethylbenzene	<5	>2000	<2000	<1500	<1000
1,4-Dichlorobenzene	<5	>120	<120	<90	<60
CMR compounds		Maximum allowed air concentration			
Benzene	<1		<1		
Trichloroethylene	<1		<1		
Dibutyl phthalate (DBP)	<1		<1		
Diethylhexyl phthalate (DEHP)	<1		<1		

Remark:

< Means less than

> Means higher than

This VOCs test covered only substances that can be adsorbed on Tenax-TA and that can be thermally desorbed and analyzed by gas chromatography mass spectrometric detector. If other emission occurred then these could not be monitored or with limited reliability only. The method is not optimal for very volatile compounds. For these substances small results and a higher uncertainty in the measurement cannot be excluded. VOCs without pure standards were identified by comparison with a mass spectrum obtained from a library. Calibrated as toluene equivalent.

Note:

The chamber test and analyses were done in Eurofins Testing Technology (Shenzhen) Co., Ltd.

Other Information / Remark:

N/A

TO BE CONTINUED

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END OF THE REPORT

Test Report

No.: SHAPH24016058101

Date: Aug 01, 2024

Page 1 of 3

Client Name: DEMEX (SHANGHAI) NEW MATERIAL CO., LTD

Client Address: 3F, NO.940, JIANCHUAN ROAD, SHANGHAI

Sample Name: Epoxy Tile Grouts

The above sample(s) and information were provided by the client.

SGS Job No.: SHIN2407005589PL01 NBIN2407002322PC01,NBIN2407002029PL03

Sample Receiving Date: Jul 18, 2024

Testing Period: Jul 18, 2024 ~ Jul 24, 2024

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
GB 18583-2008 - Free Formaldehyde	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Jerry Jiang

Jerry Jiang

Approved Signatory

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Test Report

No.: SHAPH24016058101

Date: Aug 01, 2024

Page 2 of 3

Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	001	SHA24-0160581-0001.C001	Grey paste

Remarks:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) “-” = Not Regulated

GB 18583-2008 - Free Formaldehyde

Test Method: With reference to GB 18583-2008 Annex A, analysis was performed by UV-Vis.

Test Item(s)	Limit	Unit(s)	MDL	001
Free Formaldehyde content	1.0	g/kg	0.05	ND
Conclusion				Pass

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule ($w=0$) stated in ILAC-G8:09/2019.



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Test Report

No.: SHAPH24016058101

Date: Aug 01, 2024

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Sample Photo:



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Test Report

No.: SHAPH24016058102

Date: Aug 01, 2024

Page 1 of 3

Client Name: DEMEX (SHANGHAI) NEW MATERIAL CO., LTD

Client Address: 3F, NO.940, JIANCHUAN ROAD, SHANGHAI

Sample Name: Epoxy Tile Grouts

The above sample(s) and information were provided by the client.

SGS Job No.: SHIN2407005589PL02 NBIN2407002322PC02,NBIN2407002029PL04

Sample Receiving Date: Jul 18, 2024

Testing Period: Jul 18, 2024 ~ Jul 24, 2024

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
Entry 46 of Regulation (EU) 2020/2096 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - Nonylphenol Ethoxylates (NPEOs) and Nonylphenol (NP)	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Jerry Jiang

Jerry Jiang

Approved Signatory

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Test Report

No.: SHAPH24016058102

Date: Aug 01, 2024

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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	001	SHA24-0160581-0001.C001	Grey paste

Remarks:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) “-” = Not Regulated

Entry 46 of Regulation (EU) 2020/2096 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - Nonylphenol Ethoxylates (NPEOs) and Nonylphenol (NP)**Test Method:** With reference to SGS in house method, analysis was performed by LC-MS.

Test Item(s)	Limit	Unit(s)	MDL	001
Nonylphenol ethoxylates(NPEOs)	1000	mg/kg	10	ND
Nonylphenol (NP)	1000	mg/kg	10	ND
Conclusion				Pass

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule ($w=0$) stated in ILAC-G8:09/2019.



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Test Report

No.: SHAPH24016058102

Date: Aug 01, 2024

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Sample Photo:



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Test Report
(SVHC)

No.: SHAPH24016058103

Date: Aug 01, 2024

Page 1 of 15

Client Name: DEMEX (SHANGHAI) NEW MATERIAL CO., LTD

Client Address: 3F, NO.940, JIANCHUAN ROAD, SHANGHAI

Sample Name: Epoxy Tile Grouts

The above sample(s) and information were provided by the client.

SGS Job No.: SHIN2407005589PL03 NBIN2407002322PC03,NBIN2407002029PL07

Sample Receiving Date: Jul 18, 2024

Testing Period: Jul 18, 2024 ~ Jul 24, 2024

Test Requested: As requested by client, SVHC screening is performed according to:

(i) Two hundred and forty one (241) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before Jun 27, 2024 regarding Regulation (EC) No 1907/2006 concerning the REACH.

As requested by client, SVHC screening is performed according to:

(i) Two (2) potential Substances of Very High Concern (SVHC) in the Identification ongoing.

(ii) Eleven (11) potential Substances of Very High Concern (SVHC) in the Intention List published by European Chemicals Agency (ECHA) regarding Regulation (EC) No 1907/2006 concerning the REACH.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Summary:

According to the specified scope and evaluation screening, the test results of 241 SVHC in the Candidate List are $\leq 0.1\%$ (w/w) in the submitted sample.	Pass
According to the specified scope and evaluation screening, the test results of 13 Potential SVHC are $\leq 0.1\%$ (w/w) in the submitted sample.	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Jerry Jiang

Jerry Jiang

Approved Signatory

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Test Report (SVHC)

No.: SHAPH24016058103

Date: Aug 01, 2024

Page 2 of 15

Remark :

1. The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the following SVHC related documents published by ECHA:
<http://echa.europa.eu/web/guest/candidate-list-table>
These lists are under evaluation by ECHA and may subject to change in the future.

2. REACH obligation:

2.1 Concerning article(s):

Communication:

Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance in the Candidate List.

Notification:

In accordance with Regulation (EC) No 1907/2006, any EU producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (a) the substance in the Candidate List is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance in the Candidate List is present in those articles above a concentration of 0.1% weight by weight (w/w).

Companies supplying articles containing substances of very high concern (SVHCs) on the Candidate List in a concentration above 0.1% weight by weight (w/w) on the EU market must comply with the Waste Framework Directive 2008/98/EC requirement and submit SCIP notifications on these articles to ECHA, as from 5 January 2021.

2.2 Concerning material(s):

Test results in this report are based on the tested sample. This report refers to testing result of tested sample submitted as homogenous material(s). In case such material is being used to compose an article, the results indicated in this report may not represent SVHC concentration in such article. If this report refers to testing result of composite material group by equal weight proportion, the material in each composite test group may come from more than one article.

If the sample is a substance or mixture, and it directly exports to EU, client has the obligation to comply with the supply chain communication obligation under Article 31 of Regulation (EC) No. 1907/2006 and the conditions of Authorization of substance of very high concern included in the Annex XIV of the Regulation (EC) No. 1907/2006.

2.3 Concerning substance and preparation:

If a SVHC is found over 0.1% (w/w) and/or the specific concentration limit which is set in Regulation (EC) No 1272/2008 and its amendments, client is suggested to prepare a Safety Data Sheet (SDS) against the SVHC to comply with the supply chain communication obligation under Regulation (EC) No 1907/2006, in which:

- a substance that is classified as hazardous under the CLP Regulation (EC) No 1272/2008.
- a mixture that is classified as hazardous under the CLP Regulation (EC) No 1272/2008, when it contains a substance with concentration equal to, or greater than the classification limit as set in Regulation (EC) No. 1272/2008; or
- a mixture is not classified as hazardous under the CLP Regulation (EC) No 1272/2008, but contains either:



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**Test Report
(SVHC)****No.:** SHAPH24016058103**Date:** Aug 01, 2024

Page 3 of 15

- (a) a substance posing human health or environmental hazards in an individual concentration of $\geq 1\%$ by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures) or $\geq 0.2\%$ by volume for gaseous mixtures; or
- (b) a substance that is PBT, or vPvB in an individual concentration of $\geq 0.1\%$ by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures); or
- (c) a substance on the SVHC candidate list (for reasons other than those listed above), in an individual concentration of $\geq 0.1\%$ by weight for non-gaseous mixtures; or
- (d) a substance for which there are Europe-wide workplace exposure limits

3. If a SVHC is found over the reporting limit, client is suggested to identify the composite component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

Test Sample:**Testing Group:**

Test Result ID	Description	Test Part ID	SGS Sample ID
001	Grey paste	001	SHA24-0160581-0001.C001

Test Method:

With reference to SGS In-House method, analysis was performed by ICP-OES, UV-VIS, GC-MS, HPLC-DAD/MS and Colorimetric Method.



SGS CSTC (Shanghai) Co., Ltd.
Testing Center-Chemical Laboratory

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Member of the SGS Group (SGS SA)

Test Report (SVHC)

No.: SHAPH24016058103

Date: Aug 01, 2024

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Test Results: (Substances in the Candidate List of SVHC)

Batch	Substance Name	CAS No.	001 Concentration (%)	RL (%)
-	All tested SVHC in Candidate list	-	ND	-

Test Results: (Potential SVHC)

Batch	Substance Name	CAS No.	001 Concentration (%)	RL (%)
/	All tested Potential SVHC	-	ND	-

Notes:

- (1) The table above only shows detected SVHC, and SVHC that below RL are not reported. Please refer to Appendix for the full list of tested SVHC.
- (2) RL = Reporting Limit (Test data will be shown if it $\geq$ RL. RL is not regulatory limit.)
ND = Not detected (lower than RL), ND is denoted on the SVHC substance.
- (3) * The result is based on the calculation of selected element(s) under the worst-case scenario, and the evaluation of substance usage and material properties.
** The test result is based on the calculation of selected marker(s) and to the worst-case scenario.
Calculated concentration of boric compounds are based on water extractive boron detected by ICP-OES.
Calculated concentration of Barium diboron tetraoxide is based on water extractive boron and barium detected by ICP-OES.
RL = 0.005% is evaluated for element (i.e. cobalt, arsenic, lead, chromium (VI), aluminum, zirconium, boron, strontium, zinc, antimony, titanium, barium, cadmium respectively), except molybdenum
RL=0.0005%, boron RL=0.0025% (only for Lead bis(tetrafluoroborate)), fluorine RL=0.050%.
- (4) § The substance is proposed for the identification as SVHC only where it contains Michler's ketone (CAS Number: 90-94-8) or Michler's base (CAS Number: 101-61-1) $\geq 0.1\%$ (w/w).
- (5) / = Potential SVHC

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.



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Appendix

Full list of tested SVHC:

Batch	No.	Substance Name	CAS No.	RL (%)
I	1	4,4'-Diaminodiphenylmethane(MDA)	101-77-9	0.050
I	2	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	0.050
I	3	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	0.050
I	4	Anthracene	120-12-7	0.050
I	5	Benzyl butyl phthalate (BBP)	85-68-7	0.050
I	6	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7	0.050
I	7	Bis(tributyltin)oxide (TBTO)	56-35-9	0.050
I	8	Cobalt dichloride*	7646-79-9	0.005
I	9	Diarsenic pentaoxide*	1303-28-2	0.005
I	10	Diarsenic trioxide*	1327-53-3	0.005
I	11	Dibutyl phthalate (DBP)	84-74-2	0.050
I	12	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α -HBCDD, β -HBCDD, γ -HBCDD)	-	0.050
I	13	Lead hydrogen arsenate*	7784-40-9	0.005
I	14	Sodium dichromate*	10588-01-9 /7789-12-0	0.005
I	15	Triethyl arsenate*	15606-95-8	0.005
II	16	2,4-Dinitrotoluene	121-14-2	0.050
II	17	Acrylamide	79-06-1	0.050
II	18	Anthracene oil**	90640-80-5	0.050
II	19	Anthracene oil, anthracene paste**	90640-81-6	0.050
II	20	Anthracene oil, anthracene paste, anthracene fraction**	91995-15-2	0.050
II	21	Anthracene oil, anthracene paste, distn. Lights**	91995-17-4	0.050
II	22	Anthracene oil, anthracene-low**	90640-82-7	0.050
II	23	Diisobutyl phthalate	84-69-5	0.050
II	24	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)*	12656-85-8	0.005
II	25	Lead chromate*	7758-97-6	0.005
II	26	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2	0.005
II	27	Pitch, coal tar, high temp. **	65996-93-2	0.050
II	28	Tris(2-chloroethyl)phosphate	115-96-8	0.050
III	29	Ammonium dichromate*	7789-09-5	0.005
III	30	Boric acid*	-	0.005
III	31	Disodium tetraborate, anhydrous*	12179-04-3 /1303-96-4 /1330-43-4	0.005
III	32	Potassium chromate*	7789-00-6	0.005
III	33	Potassium dichromate*	7778-50-9	0.005
III	34	Sodium chromate*	7775-11-3	0.005
III	35	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	0.005



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Batch	No.	Substance Name	CAS No.	RL (%)
III	36	Trichloroethylene	79-01-6	0.050
IV	37	2-Ethoxyethanol	110-80-5	0.050
IV	38	2-Methoxyethanol	109-86-4	0.050
IV	39	Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid*	-	0.005
IV	40	Chromium trioxide*	1333-82-0	0.005
IV	41	Cobalt(II) carbonate*	513-79-1	0.005
IV	42	Cobalt(II) diacetate*	71-48-7	0.005
IV	43	Cobalt(II) dinitrate*	10141-05-6	0.005
IV	44	Cobalt(II) sulphate*	10124-43-3	0.005
V	45	1,2,3-trichloropropane	96-18-4	0.050
V	46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	0.050
V	47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	0.050
V	48	1-methyl-2-pyrrolidone	872-50-4	0.050
V	49	2-ethoxyethyl acetate	111-15-9	0.050
V	50	Hydrazine	302-01-2 /7803-57-8	0.050
V	51	strontium chromate*	7789-06-2	0.005
VI	52	1,2-Dichloroethane	107-06-2	0.050
VI	53	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	0.050
VI	54	2-Methoxyaniline; o-Anisidine	90-04-0	0.050
VI	55	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	0.050
VI	56	Aluminosilicate Refractory Ceramic Fibres*	-	0.005
VI	57	Arsenic acid*	7778-39-4	0.005
VI	58	Bis(2-methoxyethyl) ether	111-96-6	0.050
VI	59	Bis(2-methoxyethyl) phthalate	117-82-8	0.050
VI	60	Calcium arsenate*	7778-44-1	0.005
VI	61	Dichromium tris(chromate)*	24613-89-6	0.005
VI	62	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	0.050
VI	63	Lead diazide, Lead azide*	13424-46-9	0.005
VI	64	Lead dipicrate*	6477-64-1	0.005
VI	65	Lead styphnate*	15245-44-0	0.005
VI	66	N,N-dimethylacetamide	127-19-5	0.050
VI	67	Pentazinc chromate octahydroxide*	49663-84-5	0.005
VI	68	Phenolphthalein	77-09-8	0.050
VI	69	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	0.005
VI	70	Trilead diarsenate*	3687-31-8	0.005
VI	71	Zirconia Aluminosilicate Refractory Ceramic Fibres*	-	0.005
VII	72	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)§	2580-56-5	0.050



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Tài liệu do Công ty TNHH Vật liệu và Giải pháp VNA cung cấp · 0903 166 617

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Batch	No.	Substance Name	CAS No.	RL (%)
VII	73	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) §	548-62-9	0.050
VII	74	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	0.050
VII	75	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	0.050
VII	76	4,4'-bis(dimethylamino) benzophenone (Michler's Ketone)	90-94-8	0.050
VII	77	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol§	561-41-1	0.050
VII	78	Diboron trioxide*	1303-86-2	0.005
VII	79	Formamide	75-12-7	0.050
VII	80	Lead(II) bis(methanesulfonate)*	17570-76-2	0.005
VII	81	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	0.050
VII	82	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	2451-62-9	0.050
VII	83	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) §	6786-83-0	0.050
VII	84	β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	0.050
VIII	85	[Phthalato(2-)]dioxotrilead*	69011-06-9	0.005
VIII	86	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	0.050
VIII	87	1,2-Diethoxyethane	629-14-1	0.050
VIII	88	1-Bromopropane	106-94-5	0.050
VIII	89	3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	0.050
VIII	90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	-	0.050
VIII	91	4,4'-Methylenedi-o-toluidine	838-88-0	0.050
VIII	92	4,4'-Oxydianiline and its salts	101-80-4	0.050
VIII	93	4-Aminoazobenzene	60-09-3	0.050
VIII	94	4-Methyl-m-phenylenediamine	95-80-7	0.050
VIII	95	4-Nonylphenol, branched and linear	-	0.050
VIII	96	6-Methoxy-m-toluidine	120-71-8	0.050
VIII	97	Acetic acid, lead salt, basic*	51404-69-4	0.005
VIII	98	Biphenyl-4-ylamine	92-67-1	0.050
VIII	99	Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.050
VIII	100	Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	-	0.050
VIII	101	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	0.050



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Batch	No.	Substance Name	CAS No.	RL (%)
VIII	102	Dibutyltin dichloride (DBTC)	683-18-1	0.050
VIII	103	Diethyl sulphate	64-67-5	0.050
VIII	104	Diisopentylphthalate	605-50-5	0.050
VIII	105	Dimethyl sulphate	77-78-1	0.050
VIII	106	Dinoseb	88-85-7	0.050
VIII	107	Dioxobis(stearato)trilead*	12578-12-0	0.005
VIII	108	Fatty acids, C16-18, lead salts*	91031-62-8	0.005
VIII	109	Furan	110-00-9	0.050
VIII	110	Henicosafuoroundecanoic acid	2058-94-8	0.050
VIII	111	Heptacosafuorotetradecanoic acid	376-06-7	0.050
VIII	112	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	-	0.050
VIII	113	Lead bis(tetrafluoroborate)*	13814-96-5	0.005
VIII	114	Lead cyanamidate*	20837-86-9	0.005
VIII	115	Lead dinitrate*	10099-74-8	0.005
VIII	116	Lead monoxide*	1317-36-8	0.005
VIII	117	Lead oxide sulfate*	12036-76-9	0.005
VIII	118	Lead tetroxide (orange lead)*	1314-41-6	0.005
VIII	119	Lead titanium trioxide*	12060-00-3	0.005
VIII	120	Lead titanium zirconium oxide*	12626-81-2	0.005
VIII	121	Methoxyacetic acid	625-45-6	0.050
VIII	122	Methyloxirane (Propylene oxide)	75-56-9	0.050
VIII	123	N,N-Dimethylformamide	68-12-2	0.050
VIII	124	N-Methylacetamide	79-16-3	0.050
VIII	125	N-Pentyl-isopentylphthalate	776297-69-9	0.050
VIII	126	o-Aminoazotoluene	97-56-3	0.050
VIII	127	o-Toluidine	95-53-4	0.050
VIII	128	Pentacosafuorotridecanoic acid	72629-94-8	0.050
VIII	129	Pentalead tetraoxide sulphate*	12065-90-6	0.005
VIII	130	Pyrochlore, antimony lead yellow*	8012-00-8	0.005
VIII	131	Silicic acid, barium salt, lead-doped*	68784-75-8	0.005
VIII	132	Silicic acid, lead salt*	11120-22-2	0.005
VIII	133	Sulfurous acid, lead salt, dibasic*	62229-08-7	0.005
VIII	134	Tetraethyllead*	78-00-2	0.005
VIII	135	Tetralead trioxide sulphate*	12202-17-4	0.005
VIII	136	Tricosafuorododecanoic acid	307-55-1	0.050
VIII	137	Trilead bis(carbonate)dihydroxide (basic lead carbonate)*	1319-46-6	0.005
VIII	138	Trilead dioxide phosphonate*	12141-20-7	0.005
IX	139	4-Nonylphenol, branched and linear, ethoxylated	-	0.050
IX	140	Ammonium pentadecafluorooctanoate (APFO)**	3825-26-1	0.050
IX	141	Cadmium oxide*	1306-19-0	0.005
IX	142	Cadmium	7440-43-9	0.005
IX	143	Dipentyl phthalate (DPP)	131-18-0	0.050



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Batch	No.	Substance Name	CAS No.	RL (%)
IX	144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	0.050
X	145	Cadmium sulphide*	1306-23-6	0.005
X	146	Dihexyl phthalate	84-75-3	0.050
X	147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	0.050
X	148	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	0.050
X	149	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	0.050
X	150	Lead di(acetate)*	301-04-2	0.005
X	151	Trixylyl phosphate	25155-23-1	0.050
XI	152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	0.050
XI	153	Cadmium chloride*	10108-64-2	0.005
XI	154	Sodium perborate; perboric acid, sodium salt*	-	0.005
XI	155	Sodium peroxometaborate*	7632-04-4	0.005
XII	156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	0.050
XII	157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	0.050
XII	158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	0.050
XII	159	Cadmium fluoride*	7790-79-6	0.005
XII	160	Cadmium sulphate*	10124-36-4 /31119-53-6	0.005
XII	161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate & 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE & MOTE)	-	0.050
XIII	162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate	-	0.050
XIII	163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination thereof]	-	0.050
XIV	164	1,3-propanesultone	1120-71-4	0.050
XIV	165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	0.050
XIV	166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	0.050



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Batch	No.	Substance Name	CAS No.	RL (%)
XIV	167	Nitrobenzene	98-95-3	0.050
XIV	168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	-	0.050
XV	169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	0.050
XVI	170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	0.050
XVI	171	4-Heptylphenol, branched and linear	-	0.050
XVI	172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	-	0.050
XVI	173	p-(1,1-dimethylpropyl)phenol	80-46-6	0.050
XVII	174	Perfluorohexane-1-sulphonic acid and its salts	-	0.050
XVIII	175	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.0.2,13.0.5,10]octadeca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	0.050
XVIII	176	Benz[a]anthracene	56-55-3	0.050
XVIII	177	Cadmium nitrate*	10325-94-7	0.005
XVIII	178	Cadmium carbonate*	513-78-0	0.005
XVIII	179	Cadmium hydroxide*	21041-95-2	0.005
XVIII	180	Chrysene	218-01-9	0.050
XVIII	181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear]	-	0.050
XIX	182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	0.050
XIX	183	Benzo[ghi]perylene	191-24-2	0.050
XIX	184	Decamethylcyclopentasiloxane (D5)	541-02-6	0.050
XIX	185	Dicyclohexyl phthalate (DCHP)	84-61-7	0.050
XIX	186	Disodium octaborate*	12008-41-2	0.005
XIX	187	Dodecamethylcyclohexasiloxane (D6)	540-97-6	0.050
XIX	188	Ethylenediamine (EDA)	107-15-3	0.050
XIX	189	Lead	7439-92-1	0.005
XIX	190	Octamethylcyclotetrasiloxane (D4)	556-67-2	0.050
XIX	191	Terphenyl, hydrogenated	61788-32-7	0.050
XX	192	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	15087-24-8	0.050
XX	193	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	0.050
XX	194	Benzo[k]fluoranthene	207-08-9	0.050
XX	195	Fluoranthene	206-44-0	0.050
XX	196	Phenanthrene	85-01-8	0.050
XX	197	Pyrene	129-00-0	0.050
XXI	198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	-	0.050
XXI	199	2-methoxyethyl acetate	110-49-6	0.050



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Batch	No.	Substance Name	CAS No.	RL (%)
XXI	200	4-tert-butylphenol (PTBP)	98-54-4	0.050
XXI	201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)	-	0.050
XXII	202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	0.050
XXII	203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	0.050
XXII	204	Diisohexyl phthalate	71850-09-4	0.050
XXII	205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	0.050
XXIII	206	1-vinylimidazole	1072-63-5	0.050
XXIII	207	2-methylimidazole	693-98-1	0.050
XXIII	208	Butyl 4-hydroxybenzoate	94-26-8	0.050
XXIII	209	Dibutylbis(pentane-2,4-dionato-O,O')tin**	22673-19-4	0.050
XXIV	210	bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	0.050
XXIV	211	Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety**	-	0.050
XXV	212	1,4-Dioxane	123-91-1	0.050
XXV	213	2,2-bis(bromomethyl)propane1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	-	0.050
XXV	214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	0.050
XXV	215	4,4'-(1-methylpropylidene)bisphenol; (bisphenol B)	77-40-7	0.050
XXV	216	Glutaral	111-30-8	0.050
XXV	217	Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	-	0.050
XXV	218	Orthoboric acid, sodium salt*	13840-56-7	0.005
XXV	219	Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	0.050
XXVI	220	($\pm$)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	0.050
XXVI	221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)	119-47-1	0.050



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Batch	No.	Substance Name	CAS No.	RL (%)
XXVI	222	S-(tricyclo[5.2.1.0 ² .6]deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	0.050
XXVI	223	Tris(2-methoxyethoxy)vinylsilane	1067-53-4	0.050
XXVII	224	N-(hydroxymethyl)acrylamide	924-42-5	0.050
XXVIII	225	1,1'-[ethane-1,2-diylbisoxyl]bis[2,4,6-tribromobenzene]	37853-59-1	0.050
XXVIII	226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	0.050
XXVIII	227	4,4'-sulphonyldiphenol	80-09-1	0.050
XXVIII	228	Barium diboron tetraoxide*	13701-59-2	0.005
XXVIII	229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	0.050
XXVIII	230	Isobutyl 4-hydroxybenzoate	4247-02-3	0.050
XXVIII	231	Melamine	108-78-1	0.050
XXVIII	232	Perfluoroheptanoic acid and its salts	-	0.050
XXVIII	233	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine*	-	0.050
XXIX	234	Bis(4-chlorophenyl) sulphone	80-07-9	0.050
XXIX	235	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	0.050
XXX	236	2,4,6-tri-tert-butylphenol	732-26-3	0.050
XXX	237	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)	3147-75-9	0.050
XXX	238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	119344-86-4	0.050
XXX	239	Bumetrizole (UV-326)	3896-11-5	0.050
XXX	240	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	-	0.050
XXXI	241	Bis(α,α-dimethylbenzyl) peroxide	80-43-3	0.050
/	242	Triphenyl phosphate	115-86-6	0.050
/	243	Resorcinol	108-46-3	0.050
/	244	Octamethyltrisiloxane	107-51-7	0.050
/	245	1,1,1,3,5,5,5-heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane	17928-28-8	0.050
/	246	1,1,1,3,5,5,5-heptamethyltrisiloxane	1873-88-7	0.050
/	247	Decamethyltetrasiloxane	141-62-8	0.050
/	248	Dodecamethylpentasiloxane	141-63-9	0.050
/	249	Hexamethyldisiloxane	107-46-0	0.050
/	250	O,O,O-triphenyl phosphorothioate	597-82-0	0.050
/	251	Perfluamine	338-83-0	0.050
/	252	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid	2156592-54-8	0.050
/	253	Tris(4-nonylphenyl, branched) phosphite	-	0.050



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Batch	No.	Substance Name	CAS No.	RL (%)
/	254	Reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	192268-65-8	0.050

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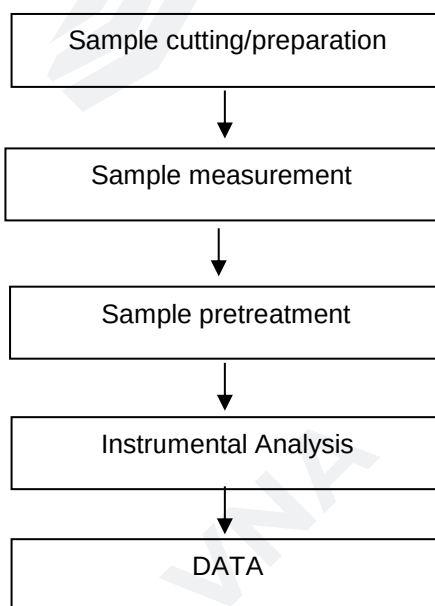
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Testing Flow Chart



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