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FINAL REPORT

Report ID : 308397

Report Information

| Submitting Organisation : | 00109358 : Parchem Construction Supplies Pty Ltd |
|---------------------------|---|
| Account : | 130335 : Parchem Construction Supplies Pty Ltd |
| AWQC Reference : | 130335-2020-CSR-13 : Prod Test: Fosroc Nitocote EP405 |
| Project Reference : | PT-4492 |
| Product Designation : | Fosroc Nitocote EP405 |
| Composition of Product : | Two Component Epoxy (see attachments). |
| Product Manufacturer : | Parchem Constuction Products Pty Ltd., Wyong, NSW, AUSTRALIA. |
| Use of Product : | In-Line/Coating System for Potable Water Retaining Structures. |
| Sample Selection: | As provided by the submitting organisation. |
| Testing Requested : | AS/NZS 4020 TESTING OF PRODUCTS FOR USE IN CONTACT WITH DRINKING WATER |
| Product Type : | Composite |
| Samples : | Samples were prepared and controlled as described in Appendix A of AS /NZS 4020:2018 |
| Extracts : | Extracts were prepared as described in Appendix/Clause C, D, E, F, G, H, 6.8. |
| Project Completion Date : | 02-May-2021 |
| Project Comment : | The results presented herein demonstrate compliance of Fosroc Nitocote EP405 to AS/NZ S 4020 when exposed at area to volume ratios up to 15,000 mm ² /L at 20°C \pm 2°C. |

PLEASE NOTE THAT THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL

THE RESULTS STATED IN THIS REPORT RELATE TO THE SAMPLE OF THE PRODUCT SUBMITTED FOR TESTING. ANY CHANGES IN THE MATERIAL FORMULATION, PROCESS OF MANUFACTURE, THE METHOD OF APPLICATION, OR THE SURFACE AREA-TO-VOLUME RATIO IN THE END USE, COULD AFFECT THE SUITABILITY OF THE PRODUCT FOR USE IN CONTACT WITH DRINKING WATER

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Summary of Results

| APPENDIX/CLAUSE | RESULTS |
|---------------------------------------|---|
| C – Taste | Passed at an exposure of 15000 mm ² per Litre. |
| D – Appearance | Passed at an exposure of 15000 mm ² per Litre. |
| E - Growth of Aquatic Micro-organisms | Passed at an exposure of 15000 mm ² per Litre. |
| F — Cytotoxic Activity | Passed at an exposure of 15000 mm ² per Litre. |
| G – Mutagenic Activity | Passed at an exposure of 15000 mm ² per Litre. |
| H – Metals | Passed at an exposure of 15000 mm ² per Litre. |
| 6.8 – Organic Compounds | Passed at an exposure of 15000 mm ² per Litre. |

Test Methods

| Test(s) in Appendix | AWQC Test Method | Reference Method |
|---------------------|---------------------|-------------------------|
| С | T0320-01 | AS/NZS 4020:2018 |
| D | TO029-01 & TO018-01 | APHA 2120c & APHA 2130b |
| E | TO014-03 | APHA 4500 O G |
| F | TM-001 | AS/NZS 4020:2018 |
| G | TM-002 | AS/NZS 4020:2018 |
| Н | TIC-006 | EPA 200.8 |

Organic Test Methods

| Test(s) in Clause | Test Method | Reference Method |
|-------------------|-------------|-------------------|
| Clause 6.8 | TMZ-M36 | USEPA524.2 |
| | EP239 | USEPA521 |
| | EP132-LL | USEPA_SW846-8270D |
| | EP075C | USEPA_SW846-8270D |
| | EP075ASIM | USEPA_SW846-8270D |

Summary Comment :

The curing compound was applied (to glass slides) and cured for 7 days at 20°C prior to testing. Mix ratio: Base 200g to Hardener 30g.



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| Report ID : | 308397 | | | |
| CLAUSE 6.2 | | Taste | | |
| Sample Descript | ion | ÷ · · · · · | o two glass substrates, each single s f approximately 15000 mm² per Litre. 50 mg/L hardness water. | • |
| Extraction Temp | erature | 20°C ± 2°C. | | |
| Test Method Test Information Scaling Factor | | Taste (Appendix C) Not applied. | | |
| Results | | Not detected (sample and controls). | | |
| Evaluation | | | ts of clause 6.2 when tested at an exp | oosure of 15000 mm |
| Number of Samp | les | 2. | | |
| Test Comment | | Not applicable. | | × |

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|---|---|-----------------------|---|--------------------|
| Report ID : 308397 | | | | |
| CLAUSE 6.3 | Appearance | | | |
| Sample Description | | urface area of appro | lass substrates, each single s ximately 15000 mm² per Litre. /L hardness water. | |
| Extraction Temperature | 20°C ± 2°C. | | | |
| Test Method | Appearance (Appendix | D) | | |
| Scaling Factor | Not applied. | | | |
| Results | | | 2 | |
| | | Test (- Blank) | Maximum Allowed | <u>Units</u> |
| | Colour | <1 | 5 | HU |
| | Turbidity | <0.1 | 0.5 | NTU |
| Evaluation | The product passed the ² per Litre. | e requirements of cla | ause 6.3 when tested at an ex | posure of 15000 mm |
| Number of Samples | 1. | | | |
| Test Comment | Not applicable. | | | |

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| CLAUSE 6.4 | Growth of Aquatic Micro-organ | isms | |
|--------------------|--|--|-------------|
| Sample Description | The coating system was applied onto two glass substrates, each single sided (75mm x 100 mm) providing a total surface area of approximately 15000 mm ² per Litre. Extracts were prepared using 1000 mL volumes of test water. | | |
| Test Method | Growth of Aquatic Micro-organisms (Ap | opendix E) | |
| Inoculum | The volume of the inoculum was 100 m | nL | |
| Scaling Factor | Not applied | | |
| Results | Mean Dissolved Oxygen | Control | 7.5 mg/L |
| | Mean Dissolved Oxygen Difference | Positive Reference | 4.3 mg/L |
| | | Negative Reference | <0.1 mg/L |
| | | Test | 1.50 mg/L |
| Evaluation | The product passed the requirements of ² per Litre. | of clause 6.4 when tested at an exposure | of 15000 mm |
| Number of Samples | 1. | | |
| Test Ossimust | Neterritechie | | |

Test Comment

Not applicable.

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| CLAUSE 6.5 | Cytotoxic Activity |
| Sample Description | The coating system was applied onto two glass substrates, each single sided (75mm x 100 mm) providing a total surface area of approximately 15000 mm² per Litre. Extracts were prepared using 1000 mL volumes of 50 mg/L hardness water. |
| Extraction Temperature | 20°C ± 2°C. |
| Test Method | Cytotoxic Activity (Appendix F) |
| Scaling Factor | Not applied. |
| Results | Non-cytotoxic. |
| Evaluation | The product passed the requirements of clause 6.5 when tested at an exposure of 15000 mm ² per Litre. |
| Number of Samples | 1. |
| Test Comment | The test extracts and blank extracts were used to prepare nutrient growth medium and subsequently used to grow a cell line (ATCC Number CCL 81) in the analysis. In addition zinc sulphate (0.4 mmol) was used for the positive control in the analysis. |

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PO Box 1751 Tel: 1300 653 366 250 Victoria Square Adelaide SA 5000 Fax: 1300 883 171 Adelaide SA 5001 Email: producttesting@awqc.com.au Internet: www.awgc.com.au FINAL REPORT 308397 Report ID : **CLAUSE 6.6 Mutagenic Activity** Sample Description The coating system was applied onto two glass substrates, each single sided (75mm x 100 mm) providing a total surface area of approximately 15000 mm² per Litre. Extracts were prepared using 1000 mL volumes of 50 mg/L hardness water. 20°C ± 2°C. **Extraction Temperature** Test Method Mutagenic Activity (Appendix G) Scaling Factor Not applied. Results Bacteria Strain Number of Revertants per Plate S9 Blank Sample Extract **Positive Controls** Salmonella typhimurium TA98 24, 28, 30 20, 29, 26 3430, 3649, 3835 NPD (20µg) Mean ± Standard deviation 27.3 ± 3.1 25.0 ± 4.6 3638.0 ± 202.7 23, 35, 34 4056, 3986, 3801 43, 28, 43 2-AF (20µg) 38.0 ± 8.7 30.7 ± 6.7 3947.7 ± 131.8 Mean ± Standard deviation Salmonella typhimurium TA102 289, 352, 286 323, 307, 281 2555, 4645, 4619 Mitomycin C(10µg) 3939.7 ± 1199.2 309.0 ± 37.3 303.7 ± 21.2 Mean ± Standard deviation 402, 507, 369 472, 501, 433 2550, 2433, 2206 2396.3 ± 174.9 426.0 ± 72.1 468.7 ± 34.1 Mean ± Standard deviation Comments S9 was used as the metabolic activator. NPD (4-nitro-o-phenylenediamine) and Mitomycin C are specific positive controls for strains TA98 - and TA102 (- and +) respectively, while 2-AF (2-aminofluorene) when used in conjunction with S9 is a positive control for TA98+. Evaluation The product passed the requirements of clause 6.6 when tested at an exposure of 15000 mm ² per Litre. Number of Samples 1.

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Test Comment

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Not applicable.

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| CLAUSE 6.7 | Metals | | | | |
| Sample Description Extraction Temperature | The coating system wa mm) providing a total s prepared using 1000 n 20°C ± 2°C. | surface area of ap | proximately 15000 |) mm² per Litre. E | |
| Test Method | Metals (Appendix H) | | 4 | | |
| Scaling Factor | Not applied. | | | | |
| Method of Analysis | the US EPA method 20 Inductively Coupled Pl instrumentation in use Concentration of the m as follows: Aluminium, Antimony, Manganese, Mercury, | asma - Mass Spe at the Australian netals described in Arsenic, Barium, Molybdenum, Nic | ctrometry. The me Water Quality Cen n Table 2 of the AS Boron, Cadmium, | ethods have beer itre. S/NZS 4020:2018 Chromium, Copp | n adapted for the 3 are determined ber, Iron, Lead, |
| | Plasma Mass Spectron | netry. | | | |
| Poculte | Limit of Reporting | Blank | Teet 1 | Test 2 | May Allowed |
| Results | Limit of Reporting ma/L | Blank mg/L | Test 1 ma/L | Test 2 mg/L | Max Allowed |
| | Limit of Reporting mg/L | Blank mg/L | Test 1 mg/L | Test 2 mg/L | Max Allowed mg/L |
| Results Final Extract Aluminium | | | | | |
| Final Extract Aluminium | mg/L | mg/L | mg/L | mg/L | mg/L |
| Final Extract | mg/L 0.001 | mg/L 0.006 | mg/L 0.007 | mg/L 0.007 | mg/L 0.2 |
| Final Extract Aluminium Antimony | mg/L 0.001 0.0005 | mg/L 0.006 <0.0005 | mg/L 0.007 <0.0005 | mg/L 0.007 <0.0005 | mg/L 0.2 0.003 |
| Final Extract Aluminium Antimony Arsenic | mg/L 0.001 0.0005 0.0003 | mg/L 0.006 <0.0005 <0.0003 | mg/L 0.007 <0.0005 <0.0003 | mg/L 0.007 <0.0005 <0.0003 | mg/L 0.2 0.003 0.01 |
| Final Extract Aluminium Antimony Arsenic Barium | mg/L 0.001 0.0005 0.0003 0.0005 | mg/L <0.006 <0.0005 <0.0003 <0.0005 | mg/L 0.007 <0.0005 <0.0003 <0.0005 | mg/L 0.007 <0.0005 <0.0003 <0.0005 | mg/L 0.2 0.003 0.01 0.7 |
| Final Extract Aluminium Antimony Arsenic Barium Boron | mg/L 0.001 0.0005 0.0003 0.0005 0.020 | mg/L 0.006 <0.0005 <0.0003 <0.0005 <0.020 | mg/L 0.007 <0.0005 <0.0003 <0.0005 <0.020 | mg/L 0.007 <0.0005 <0.0003 <0.0005 <0.020 | mg/L 0.2 0.003 0.01 0.7 1.4 |
| Final Extract Aluminium Antimony Arsenic Barium Boron Cadmium Chromium | mg/L 0.001 0.0005 0.0003 0.0005 0.020 0.0001 | mg/L 0.006 <0.0005 <0.0003 <0.0005 <0.020 <0.0001 | mg/L 0.007 <0.0005 <0.0003 <0.0005 <0.020 <0.0001 | mg/L 0.007 <0.0005 <0.0003 <0.0005 <0.020 <0.0001 | mg/L 0.2 0.003 0.01 0.7 1.4 0.002 |
| Final Extract Aluminium Antimony Arsenic Barium Boron Cadmium | mg/L 0.001 0.0005 0.0003 0.0005 0.020 0.0001 0.0001 | mg/L 0.006 <0.0005 <0.0003 <0.0005 <0.020 <0.0001 <0.0001 | mg/L 0.007 <0.0005 <0.0003 <0.0005 <0.020 <0.0001 <0.0001 | mg/L 0.007 <0.0005 <0.0003 <0.0005 <0.020 <0.0001 <0.0001 | mg/L 0.2 0.003 0.01 0.7 1.4 0.002 0.05 |
| Final Extract Aluminium Antimony Arsenic Barium Boron Cadmium Chromium Copper | mg/L 0.001 0.0005 0.0003 0.0005 0.020 0.0001 0.0001 0.0001 | mg/L 0.006 <0.0005 <0.0003 <0.0005 <0.020 <0.0001 <0.0001 <0.0001 | mg/L 0.007 <0.0005 <0.0003 <0.0005 <0.020 <0.0001 <0.0001 <0.0001 | mg/L 0.007 <0.0005 <0.0003 <0.0005 <0.020 <0.0001 <0.0001 <0.0001 | mg/L 0.2 0.003 0.01 0.7 1.4 0.002 0.05 2.0 |
| Final Extract Aluminium Antimony Arsenic Barium Boron Cadmium Chromium Copper Iron | mg/L 0.001 0.0005 0.0003 0.0005 0.020 0.0001 0.0001 0.0001 0.0001 0.0005 | mg/L 0.006 <0.0005 <0.0003 <0.0005 <0.020 <0.0001 <0.0001 <0.0001 <0.0001 | mg/L 0.007 <0.0005 <0.0003 <0.0005 <0.020 <0.0001 <0.0001 <0.0001 <0.0005 | mg/L 0.007 <0.0005 <0.0003 <0.0005 <0.020 <0.0001 <0.0001 <0.0001 <0.0001 | mg/L 0.2 0.003 0.01 0.7 1.4 0.002 0.05 2.0 0.3 |
| Final Extract Aluminium Antimony Arsenic Barium Boron Cadmium Chromium Copper Iron Lead | mg/L 0.001 0.0005 0.0003 0.0005 0.020 0.0001 0.0001 0.0001 0.0005 0.0005 0.0001 | mg/L 0.006 <0.0005 <0.0003 <0.0005 <0.020 <0.0001 <0.0001 <0.0001 <0.0005 <0.0001 | mg/L 0.007 <0.0005 <0.0003 <0.0005 <0.020 <0.0001 <0.0001 <0.0001 <0.0005 <0.0005 <0.0001 | mg/L 0.007 <0.0005 <0.0003 <0.0005 <0.020 <0.0001 <0.0001 <0.0001 <0.0005 <0.0001 | mg/L 0.2 0.003 0.01 0.7 1.4 0.002 0.05 2.0 0.3 0.01 |
| Final Extract Aluminium Antimony Arsenic Barium Boron Cadmium Chromium Copper Iron Lead Manganese | mg/L 0.001 0.0005 0.0003 0.0005 0.020 0.0001 0.0001 0.0001 0.0005 0.0001 0.0005 0.0001 0.0001 | mg/L 0.006 <0.0005 <0.0003 <0.0005 <0.020 <0.0001 <0.0001 <0.0001 <0.0005 <0.0001 <0.0001 <0.0001 | mg/L 0.007 <0.0005 <0.0003 <0.0005 <0.020 <0.0001 <0.0001 <0.0001 <0.0005 <0.0001 <0.0001 <0.0001 | mg/L 0.007 <0.0005 <0.0003 <0.0005 <0.020 <0.0001 <0.0001 <0.0001 <0.0005 <0.0001 <0.0001 <0.0001 <0.0001 | mg/L 0.2 0.003 0.01 0.7 1.4 0.002 0.05 2.0 0.3 0.01 0.1 |
| Final Extract Aluminium Antimony Arsenic Barium Boron Cadmium Chromium Copper Iron Lead Manganese Mercury | mg/L 0.001 0.0005 0.0003 0.0005 0.020 0.0001 0.0001 0.0001 0.0005 0.0001 0.0001 0.0001 0.0001 0.0001 0.0003 | mg/L 0.006 <0.0005 <0.0003 <0.0005 <0.020 <0.0001 <0.0001 <0.0001 <0.0005 <0.0001 <0.0001 <0.0001 <0.0001 <0.0001 <0.0001 | mg/L 0.007 <0.0005 <0.0003 <0.0005 <0.020 <0.0001 <0.0001 <0.0001 <0.0005 <0.0001 <0.0001 <0.0001 <0.0001 <0.0001 <0.0001 <0.0003 | mg/L 0.007 <0.0005 <0.0003 <0.0005 <0.020 <0.0001 <0.0001 <0.0001 <0.0005 <0.0001 <0.0001 <0.0001 <0.0001 <0.0001 <0.0001 <0.0001 | mg/L 0.2 0.003 0.01 0.7 1.4 0.002 0.05 2.0 0.3 0.01 0.1 0.001 |
| Final Extract Aluminium Antimony Arsenic Barium Boron Cadmium Chromium Copper Iron Lead Manganese Mercury Molybdenum | mg/L 0.001 0.0005 0.0003 0.0005 0.020 0.0001 0.0001 0.0001 0.0005 0.0001 0.0005 0.0001 0.0001 0.0001 0.0003 0.0001 | mg/L 0.006 <0.0005 <0.0003 <0.0005 <0.020 <0.0001 <0.0001 <0.0001 <0.0001 <0.0001 <0.0001 <0.0001 <0.0003 <0.0001 | mg/L 0.007 <0.0005 <0.0003 <0.0005 <0.020 <0.0001 <0.0001 <0.0001 <0.0001 <0.0001 <0.0001 <0.0001 <0.0003 <0.0001 | mg/L 0.007 <0.0005 <0.0003 <0.0005 <0.020 <0.0001 <0.0001 <0.0001 <0.0005 <0.0001 <0.0001 <0.0001 <0.0001 <0.0003 <0.0003 <0.0001 | mg/L 0.2 0.003 0.01 0.7 1.4 0.002 0.05 2.0 0.3 0.01 0.1 0.001 0.05 |

Evaluation

The product passed the requirements of clause 6.7 when tested at an exposure of 15000 mm ² per Litre.

Number of Samples

Test Comment

Not applicable.

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| Report ID : 3083 | 397 | | | |
| CLAUSE 6.8 | Organic Com | pounds | | |
| Sample Description |) providing a total s | | substrates, each single sided (y 15000 mm² per Litre. Extracts rater. | |
| Extraction Temperate | ure 20°C ± 2°C. | | | |
| Test Method | - , | nd Drinking-water Standards | values are taken from the Aust for New Zealand. Please note, | - |
| Scaling Factor | Not applied. | | | |
| Results | | | | |
| Organic Compound | | | | |
| Nitrosamines | | Blank | Test | Max Allowed |
| | | µg/L | µg/L | |
| External Lab Report | | ES2101343 | ES2101343 | |
| 1-Nitrosopiperidine | | <0.003 | <0.003 | |
| 1-Nitrosopyrrolidine | | <0.01 | <0.01 | |
| Nitrosomorpholine (| | <0.003 | <0.003 | |
| N-Nitrosodiethylami | ne (NDEA) | <0.01 | <0.01 | |
| N-Nitrosodimethylar | mine (NDMA) | <0.003 | 0.004 | 0.1 µg/L |
| N-Nitrosodi-n-propy | lamine (NDPA) | <0.003 | <0.003 | |
| N-Nitrosomethyleth | ylamine (NMEA) | <0.003 | <0.003 | |
| Organic Compound | | | 8 | |
| Phenols | | Blank | Test | Max Allowed |
| | | µg/L | µg/L | |
| External Lab Repor | t No. | ES2101343 | ES2101343 | |
| 2 4 5-trichlorophend | | <1.0 | <1.0 | |
| 2 4 6-trichlorophend | | <1.0 | <1.0 | 20 µg/L |
| 2 4-dichlorophenol | | <1.0 | <1.0 | 200 µg/L |
| 2 4-dimethylphenol | | <1.0 | <1.0 | |
| 2 6-dichlorophenol | | <1.0 | <1.0 | |
| 2-chlorophenol | | <1.0 | <1.0 | 300 µg/L |
| 2-nitrophenol | | <1.0 | <1.0 | |
| 4-chloro-3-methylph | enol | <1.0 | <1.0 | |
| m+p cresol | | <2.0 | <2.0 | |
| o-cresol | | <1.0 | <1.0 | |
| pentachlorophenol | | <2.0 | <2.0 | 9 µg/L |
| phenol | | <1.0 | <1.0 | a) |



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<0.02

<0.02

< 0.005

<0.005

<0.02

<0.02

< 0.02

<0.02

<0.02

<0.02

<0.02

<0.02

<0.02

<0.005

<0.02

<0.02



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Anthracene

Chrysene

Fluorene

Fluoranthene

Naphthalene

Phenanthrene

PAH - Total

Pyrene

Benzo(a)anthracene

Benzo(a)pyrene TEQ

Benzo(ghi)perylene

Benzo(k)fluoranthene

Dibenzo(a-h)anthracene

Indeno(123-cd)pyrene

Benzo(b+j)fluoranthene

Benzo(a)pyrene

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| 12 C | | |
|----------------------------------|-----------|-----------|
| Organic Compound | | |
| Phthalate Esters | Blank | Test |
| | µg/L | µg/L |
| External Lab Report No. | ES2101343 | ES2101343 |
| Bis(2-ethylhexyl) phthalate | <10 | <10 |
| Butyl benzyl phthalate | <2 | <2 |
| Di(2-ethylhexyl) adipate | <2 | <2 |
| Diethyl phthalate | <2 | <2 |
| Dimethyl phthalate | <2 | <2 |
| Di-n-butyl phthalate | <2 | <2 |
| Di-n-octyl phthalate | <2 | <2 |
| Organic Compound | | |
| Polycyclic Aromatic Hydrocarbons | Blank | Test |
| | µg/L | µg/L |
| External Lab Report No. | ES2101343 | ES2101343 |
| Acenaphthene | <0.02 | < 0.02 |
| Acenaphthylene | <0.02 | <0.02 |

< 0.02

< 0.02

< 0.005

< 0.005

< 0.02

< 0.02

< 0.02

< 0.02

< 0.02

< 0.02

< 0.02

< 0.02

< 0.02

< 0.005

<0.02

<0.02

Max Allowed

Max Allowed

10 µg/L

0.01 µg/L

| NATA |
|------------------|
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| Organic Compound | | a. | |
|--|----------|----------|--------------------|
| Volatile Organic Compounds GCMS | Blank | Test | Max Allowed |
| | µg/L | µg/L | Maximorea |
| 1 1 1 2-Tetrachloroethane | | <1 | |
| 1.1 1-Trichloroethane | <1 <1 | <1 | |
| | | | |
| 1 1 2 2-Tetrachloroethane | <1 | <1 | |
| 1 1 2-Trichloroethane | <1 | <1 | |
| 1 1-Dichloropropene | <1 | <1 | |
| 1 2 3-Trichlorobenzene | <1 | <1 | |
| 1 2 3-Trichloropropane | <1 | <1 | |
| 1 2 4-Trichlorobenzene | <1 | <1 | 5 |
| 1 2 4-Trimethylbenzene | <1 | <1 | |
| 1 2-Dibromo-3-chloropropane | <1 | <1 | 1 µg/L |
| 1 2-Dibromoethane | <1 | <1 | 1 µg/L |
| 1 2-Dichlorobenzene | <1 | <1 | 1500 μg/L |
| 1 2-Dichloroethane | <1 | <1 | 3 µg/L |
| 1 2-Dichloropropane | <1 | <1 | |
| 1 3 5-Trimethylbenzene | <1 | <1 | |
| 1 3-Dichlorobenzene | <1 | <1 | |
| 1 3-Dichloropropane | <1 | <1 | 40 |
| 1 4-Dichlorobenzene | <1 | <1 | 40 µg/L |
| 1,1-Dichloroethane | <1 | <1 <1 | 20 |
| 1,1-Dichloroethene | <1 | | 30 µg/L |
| 2,2-Dichloropropane | <1 | <1 | |
| 2-Chlorotoluene | <1 | <1 | |
| 4-Chlorotoluene | <1 | <1 | |
| 4-Isopropyltoluene | <1 | <1 | 4 |
| Benzene | <1 | <1 | 1 µg/L |
| Bromobenzene | <1 | <1 | |
| Bromochloromethane | <1 | <1 | 60 uc/l |
| Bromodichloromethane | <1 | <1 | 60 μg/L |
| Bromoform | <1 | <1 | 100 µg/L |
| Bromomethane | <4 | <4 | 2 |
| Carbon tetrachloride | <1 | <1 | 3 µg/L |
| Chlorobenzene | <1 | <1 <4 | 300 µg/L |
| Chloroethane | <4 <1 | <4 <1 | 100 |
| Chloroform | | | 400 µg/L |
| Chloromethane | <4 | <4 | |
| cis-1 3-Dichloropropene | <1 <1 | <1 <1 | |
| cis-1,2-Dichloroethene Dibromochloromethane | <1 | <1 | 150 µg/L |
| | | | 150 µg/L |
| Dibromomethane | <1 | <1 <1 | |
| Dichlorodifluoromethane | <1 <4 | <4 | 4 µg/L |
| Dichloromethane | <4 <1 | <4 <1 | 4 μg/L 300 μg/L |
| Ethylbenzene Hexachlorobutadiene | <0.7 | <0.7 | |
| | | <0.7 | 0.7 µg/L |
| Isopropylbenzene | <1 <2 | <2 | |
| m+p-Xylenes - Total | ~2 | ~2 | |



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FINAL REPORT

Report ID : 308397

| Organic Compound | | | | |
|---------------------------------|-------|------|------|-------------|
| Volatile Organic Compounds GCMS | Blank | Test | | Max Allowed |
| | µg/L | µg/L | | |
| Naphthalene | <1 | <1 | | |
| n-Butylbenzene | <1 | <1 | | |
| n-Propylbenzene | <1 | <1 | | |
| o-Xylene | <1 | <1 | | |
| sec-Butylbenzene | <1 | <1 | | |
| Styrene | <1 | <1 | 74 F | 30 µg/L |
| tert-Butylbenzene | <1 | <1 | | |
| Tetrachloroethene | <1 | <1 | | 50 µg/L |
| Toluene | <1 | <1 | | 800 µg/L |
| Total 1 2-dichloroethene | <2 | <2 | | 60 µg/L |
| Total 1 3-dichloropropene | <2 | <2 | | 20 µg/L |
| Total Trichlorobenzene | <2 | <2 | | 30 µg/L |
| Total Xylene | <3 | <3 | | 600 µg/L |
| trans-1 3-Dichloropropene | <1 | <1 | | |
| trans-1,2-Dichloroethene | <1 | <1 | | |
| Trichloroethene | <1 | <1 | | |
| Trichlorofluoromethane | <1 | <1 | | |
| Trihalomethanes - Total | <4 | <4 | | 250 µg/L |
| Vinyl chloride | <0.3 | <0.3 | | 0.3 µg/L |

Evaluation

The product passed the requirements of clause 6.8 when tested at an exposure of 15000 mm² per Litre.

Number of Samples

Test Comment

Not applicable.

1.

Qiong Huang

APPROVED SIGNATORY



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