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TEST REPORT

REPORT NUMBER 11729 BS (THIS REPORT SUPERSEDES REPORT 10063 BS).
PROJECT REFERENCE PT-118
DATE 26/09/2006
PRODUCT DESIGNATION INTERLINE 876.
COMPOSITION OF PRODUCT BITUMASTIC PAINT. YPS240/3 2 x AF3.
PRODUCT MANUFACTURER INTERNATIONAL PAINT, HYDE ROAD, YERONGA, QUEENSLAND.
SUBMITTING ORGANISATION INTERNATIONAL PAINT.
USE OF PRODUCT IN-LINE.COATING.
TESTING REQUESTED **BS 6920:2000**

SUITABILITY OF NON-METALLIC PRODUCTS FOR USE IN CONTACT WITH WATER INTENDED FOR HUMAN CONSUMPTION WITH REGARD TO THEIR EFFECT ON THE QUALITY OF THE WATER

STATEMENT OF COMPLIANCE THE RESULTS PRESENTED HEREIN DEMONSTRATE COMPLIANCE OF INTERLINE 876 TO BS6920.

A handwritten signature in black ink, appearing to read "M. Glasson".

M. GLASSON
SENIOR TECHNICAL OFFICER

Corporate Accreditation No. 1115
Chemical and Biological Testing
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TEST REPORT FOR BS 6920:2000

SECTION 2.2: - ODOUR AND FLAVOUR OF WATER

TESTING LABORATORY	AUSTRALIAN WATER QUALITY CENTRE HODGSON ROAD, BOLIVAR, SOUTH AUSTRALIA (NATA Accreditation No. 1115)
DESCRIPTION OF SAMPLE	The sample consisted of two test pieces with dimensions 80 mm x 125 mm providing a surface area of approximately 40000 mm ² per Litre. Extracts were prepared using 1000 mL volumes of pre-conditioning water.
EXTRACTION TEMPERATURE	20 ± 2°C.
TEST METHOD	BS 6920:2000 ODOUR AND FLAVOUR OF WATER (SECTION 2.2.)
RESULTS	No tastes or odours were detected in the extracts prepared at an exposure of 40000 mm ² per Litre with chlorinated or chlorine-free water from either the product or the control.
EVALUATION	The product passed the requirements of BS 6920:2000 Part 1 Clause 4 when tested at an exposure of 40000 mm ² per Litre.
NUMBER OF SAMPLES	Two samples tested.


APPROVED SIGNATORY

TEST REPORT FOR BS 6920:2000

SECTION 2.3 - APPEARANCE OF WATER

TESTING LABORATORY AUSTRALIAN WATER QUALITY CENTRE
HODGSON ROAD, BOLIVAR, SOUTH AUSTRALIA.
(NATA Accreditation No. 1115)

DESCRIPTION OF SAMPLE The sample consisted of two test pieces with dimensions 80 mm x 125 mm providing a surface area of approximately 40000 mm² per Litre.

Extracts were prepared using 1000 mL volumes of pre-conditioning water.

EXTRACTION TEMPERATURE 20 ± 2°C.

TEST METHOD BS 6920:2000 APPEARANCE OF WATER
(SECTION 2.3)

RESULTS

<u>First Extract</u>	Test (- Blank)	Maximum Allowed	
Colour	< 1	5.0	HU
Turbidity	< 0.1	0.5	NTU

EVALUATION The product passed the requirements of BS 6920:2000 Part 1 Clause 5 when tested at an exposure of 40000 mm² per Litre.

NUMBER OF SAMPLES One sample tested.


APPROVED SIGNATORY

TEST REPORT FOR BS 6920:2000

SECTION 2.4 - GROWTH OF AQUATIC MICROORGANISMS TEST

TESTING LABORATORY AUSTRALIAN WATER QUALITY CENTRE
HODGSON ROAD. BOLIVAR, SOUTH AUSTRALIA.
(NATA Accreditation No. 1115)

DESCRIPTION OF SAMPLE The sample consisted of a test piece with dimensions 75 mm x 100 mm providing a surface area of approximately 15000 mm² per Litre.

Extracts were prepared using 1000 mL volumes of test water

EXTRACTION TEMPERATURE 30 ± 1°C.

TEST METHOD BS 6920:2000 GROWTH OF AQUATIC MICROORGANISMS TEST
(SECTION 2.4)

INOCULUM The volume of inoculum was 100 mL.

RESULTS

Mean Dissolved Oxygen	Control	7.6	mg/L
Mean Dissolved Oxygen Difference	Positive Reference	5.1	mg/L
	Negative Reference	< 0.1	mg/L
	Test	0.9	mg/L

EVALUATION The Mean Dissolved Oxygen Difference in the extracts did not exceed the maximum allowed, accordingly the product passed the requirements of BS 6920:2000 Part 1 Clause 6 when tested at an exposure of 15000 mm² per Litre. The test result is based on the average of 3 test samples

NUMBER OF SAMPLES Three samples tested.


APPROVED SIGNATORY

TEST REPORT FOR BS 6920:2000

SECTION 2.5 – THE EXTRACTION OF SUBSTANCES THAT MAY BE OF CONCERN TO PUBLIC HEALTH.

TESTING LABORATORY AUSTRALIAN WATER QUALITY CENTRE
HODGSON ROAD, BOLIVAR, SOUTH AUSTRALIA
(NATA Accreditation No. 1115)

DESCRIPTION OF SAMPLE The sample consisted of two test pieces with dimensions 80 mm x 125 mm providing a surface area of approximately 40000 mm² per Litre.

Extracts were prepared using 1000 mL volumes of pre-conditioning water.

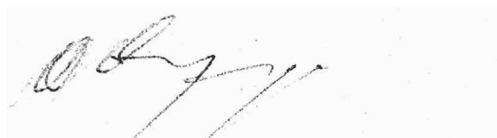
EXTRACTION TEMPERATURE 20 ± 2°C.

TEST METHOD BS 6920:2000 THE EXTRACTION OF SUBSTANCES THAT MAY BE OF CONCERN TO PUBLIC HEALTH (SECTION 2.5)

RESULTS Confluent growth of regularly-shaped cells was observed in the containers with the negative control and the test extract. Cell death was observed in the positive control.

EVALUATION No cytotoxic response was detected; accordingly the product passed the requirements of BS 6920:2000 Part 1 Clause 7 relating to cytotoxic activity when tested at an exposure of 40000 mm² per Litre.

NUMBER OF SAMPLES One sample tested.



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TEST REPORT FOR BS 6920:2000

SECTION 2.6 – THE EXTRACTION OF METALS

TESTING LABORATORY AUSTRALIAN WATER QUALITY CENTRE
HODGSON ROAD, BOLIVAR, SOUTH AUSTRALIA.
(NATA Accreditation No. 1115)

DESCRIPTION OF SAMPLE The sample consisted of two test pieces with dimensions 80 mm x 125 mm providing a surface area of approximately 40000 mm² per Litre.

Extracts were prepared using 1000 mL volumes of pre-conditioning water

EXTRACTION TEMPERATURE 20 ± 2°C.

TEST METHOD BS 6920:2000 THE EXTRACTION OF METALS
(SECTION 2.6)

METHODS OF ANALYSIS-

All methods used to determine concentrations of metals are based on those described in the 20th edition of Standard Methods for the Examination of Water and Wastewater published by the American Public Health Association (1999). The methods have been adapted for the instrumentation in use at the Australian Water Quality Centre.

Concentrations of the metals described in Table 1 of the **BS6920:2000** are determined as follows:

Antimony, Arsenic, Barium, Cadmium, Chromium, Lead, Nickel and Selenium by inductively coupled plasma mass spectrometry

Aluminium, Iron, Manganese, by inductively coupled plasma atomic emission spectrometry.

Silver by graphite furnace atomic absorption spectrophotometry (Varian).

Mercury by vapour generator atomic absorption spectrophotometry.

TEST REPORT FOR BS 6920:2000

SECTION 2.6 – THE EXTRACTION OF METALS

RESULTS

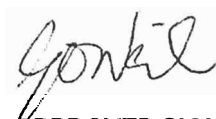
	Reporting Limit µg/L	Blank µg/L	Sample 1 µg/L	Sample 2 µg/L	Max. Allowed µg/L
<u>First Extract</u>					
Aluminium	20.0	< 20.0	< 20.0	< 20.0	200
Antimony	0.5	< 0.5	< 0.5	< 0.5	10
Arsenic	1.0	< 1.0	< 1.0	< 1.0	50
Barium	0.5	< 0.5	< 0.5	< 0.5	1000
Cadmium	0.5	< 0.5	< 0.5	< 0.5	5
Chromium	3.0	< 3.0	< 3.0	< 3.0	50
Iron	30.0	< 30.0	< 30.0	< 30.0	200
Lead	0.5	< 0.5	< 0.5	< 0.5	50
Manganese	0.5	< 0.5	< 0.5	< 0.5	50
Mercury	0.5	< 0.5	< 0.5	< 0.5	1
Nickel	0.5	< 0.5	< 0.5	< 0.5	50
Selenium	3.0	< 3.0	< 3.0	3.0	10
Silver	2.0	< 2.0	< 2.0	< 2.0	10

EVALUATION

The results from the first extractions complied with the requirements of BS 6920:2000 Part 1 Clause 8 when the product was tested at an exposure of 40000mm² per Litre.

NUMBER OF SAMPLES

Two samples tested - one extract prepared from each.



APPROVED SIGNATORY

Greg O'Neil
Tm Ldr Inorganic Chemistry

END OF REPORT

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