



Internet: www.awqc.com.au

Email: producttesting@awqc.com.au

FINAL REPORT

Report ID : 356792

Report Information

Submitting Organisation : 00109376 : HANSEN PRODUCTS (NZ) LIMITED

Account : 130354 : Hansen Products (NZ) Limited - AS/NZS 4020 Testing

AWQC Reference : 130354-2022-CSR-6 : EasyFit and TrueFit range (Representative Sample HSN06).

Project Reference : PT-5067

Product Designation : EasyFit and TrueFit range (Representative Sample Hex Nipple HSN06).

Composition of Product : Polyamide 6 Glass Fibre Reinforced - DURETHAN BKV 15F (see attachments).

Product Manufacturer : Hansen Products (NZ) Ltd, Whangarei, NEW ZEALAND.

Use of Product : In-Line/Fittings for Conveyance of Potable Water.

Sample Selection: As provided by the submitting organisation.

Testing Requested : **AS/NZS 4020:2018 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 (Incorporating Amendment No.1)

Extracts : Extracts were prepared as described in Appendix/Clause C, D, E, F, H, 6.8.

Project Completion Date : 07-Mar-2023

Project Comment : Samples received 10-Oct-2022, testing commenced 21-Oct-2022. Fittings tested by immersion to achieve an exposure of approximately 6560 mm²/L, equivalent to an in-the-product exposure with 0.01 scaling factor applied. See attachment for product range.

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 TO AS/NZS 4020:2018. 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



Corporate Accreditation No.1115
Chemical and Biological Testing
Accredited for compliance
with ISO/IEC 17025 - Testing



Notes

1. Uncertainty of Measurement is reported with a coverage factor of 2 providing approximately 95% confidence interval
2. Where a result is required to meet compliance limits the associated measurement uncertainty must be considered. Measurement uncertainty is available at <https://www.awqc.com.au/our-services/Water-quality-testing-and-analysis/measurement-uncertainty>



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Summary of Results

APPENDIX/CLAUSE	RESULTS
C – Taste	Passed when tested at the end-use exposure (immersion in 1000 mL).
D – Appearance	Passed when tested at the end-use exposure (immersion in 1000 mL).
E – Growth of Aquatic Micro-organisms	Passed when tested at the end-use exposure of 15,000 mm ² /L.
F – Cytotoxic Activity	Passed when tested at the end-use exposure (immersion in 1000 mL).
H – Metals	Passed when tested at the end-use exposure (immersion in 1000 mL).
6.8 – Organic Compounds	Passed when tested at the end-use exposure (immersion in 1000 mL).

Test Methods

Test(s) in Appendix	AWQC Test Method	NATA Accredited
C	T0320-01	Y
D	TO029-01 & TO018-01	Y
E	TO014-03	Y
F	TM-001	Y
H	TIC-006	Y

Organic Test Methods

Test(s) in Clause	Test Method	NATA Accredited
Clause 6.8	TMZ-M36	Y
	EP239	Y
	EP132-LL	Y
	EP075C	Y
	EP075ASIM	Y



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Laboratory Information

Laboratory	NATA accreditation ID
Product Testing	1115
Australian Laboratory Services Pty Ltd - New South Wales	825,992
Inorganic Chemistry - Physical	1115
Protozoology	1115
Organic Chemistry	1115
Inorganic Chemistry - Metals	1115
Inorganic Chemistry - Waste Water	1115
Analytical Quality Control	

Summary Comment : Not applicable.



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