

neoFroxx GmbH

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www.neofroxx.com

Specification

Product	IPTG for biochemistry
Product number	1122
Synonyms	Isopropyl β -D-thiogalactopyranoside
Formula	$C_9H_{18}O_5S$
Molecular weight	238.30 g/mol
CAS number	367-93-1
Storage	-20°C
Retest period (months)	48

TSE/BSE declaration: The note for guidance EMA/410/01 Rev. 3 of the EC considers the requirements of raw materials used for human and veterinary medicinal products. The document introduces risk assessment into the regulatory compliance process for products derived from TSE/BSE-relevant animal species.

We certify that this product is manufactured without the use of raw materials of animal or human origin.

IPTG is of vegetable origin, produced by fermentation. During processing the product does not come in contact with animal material. Therefore, the product does not fall under the scope of the above-mentioned guideline and is not concerned by the TSE/BSE issue. All packaging materials are not of animal origin. The product does not come in contact with animal products during storage or transportation. Depending on the quantity we either use PE-Flasks with original lids or PE-cans with original lid with PE-bags inside or card boxes with PE-bags inside.

Parameter	Specification
Assay (HPLC)	$\geq 99\%$
Appearance	white to off-white powder or particles (revised)
Identity (NMR)	corresponds to reference
Identity (IR)	corresponds to reference
Water	$\leq 1\%$
Melting point	110 - 114°C
pH (5 % in water, 20°C)	5 - 7
Solubility	soluble in water and methanol
Specific rotation	-25° to -33°

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Product	IPTG for biochemistry
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Dioxane	<= 0.0001 %

Einhausen, 06.06.2024