

Specification Sheet

Product Name: **Isopropyl beta-D-thiogalactoside**
Specifications & Purity: >98.0%
SKU #: **I104812**

Parameter	Limit Values
Carbon by Elemental Analysis	44.9-45.9 (%)
Purity(HPLC)	98-100 (%)
Water by Karl Fischer	0-5 (%)
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	-35--29 (°)
Melting point	109-121 (°C)
Appearance (I104812Color)	White to off-white
Appearance (I104812Form)	Powder,Needles,Crystals
D2O NMR spectrum	Conforms to Structure
Solubility in H ₂ O , Colorless Clear(49.00 - 51.00 mg/ml)	pass