

## Specification Sheet

Product Name: **IPTG (isopropyl- $\beta$ -D-thiogalactopyranoside)**  
Specifications & Purity:  $\geq 99.0\%$ , Ultra Pure Grade  
SKU #: **I274316**

Parameter	Limit Values
UV Absorbance 300nm(5% in H <sub>2</sub> O)	0-0.13
UV Absorbance 400nm(5% in H <sub>2</sub> O)	0-0.06
Dioxane Test	Pass
Proton NMR spectrum	Conforms to Structure
Melting point	110-114 (°C)
Moisture content	0-1 (%)
PH (5%, water) 25 ° C	5-7
Purity(HPLC)	99-100 (%)
Solubility (5% in H <sub>2</sub> O)	Pass
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	-34--29 (°)