SPECIFICATION

Isopropyl b-D-thiogalactopyranoside - non-animal origin

Product Code: EI05931
Synonyms: IPTG non-animal origin
CAS Number: 367-93-1
Chemical Formula: C₇H₁₈O₅S
Molecular Weight: 238.30

TECHNICAL SPECIFICATION

Appearance: White to almost white crystalline powder
Purity (HPLC) (on dry basis): min 99.0%
Specific optical rotation [a]D³₀ (c=1, H₂O): -31.5 ± 3.0°
Melting point: 110 - 114°C
Identity (IR): Conforms to structure
Solubility: Soluble in water and methanol
Heavy metals (Pb): max 5ppm
1,4-Dioxane: Not detected
pH (5% in water): 5.0 - 7.0
Water content (Karl Fischer): max 1.0%