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Product Specifications

Catalogue Number	29442
Product	4-O-β-D-Galactopyranosyl-D-gluconic acid calcium salt (2:1) dihydrate
CAS Number	110638-68-1
Molecular Formula	C ₂₄ H ₄₂ CaO ₂₄ •2H ₂ O
Molecular Weight	790.68

Appearance	White to almost white crystalline powder
Heavy Metals	≤ 20 ppm
Anion	Chloride: ≤ 400 ppm Sulfate: ≤ 500 ppm
Water Content (Karl Fisher)	4-8%
pH	5.4-7.4
Optical Rotation	[α] _D = +22 to + 26.5°
Infrared Spectrum	Conforms to structure
Reducing Sugars	≤ 1%
Assay	≥ 96%
Purity by TLC	Positive
Storage	Store at 0-8 °C
Additional Information	Aerobic organisms: ≤ 100 Col/g

For Laboratory Use Only