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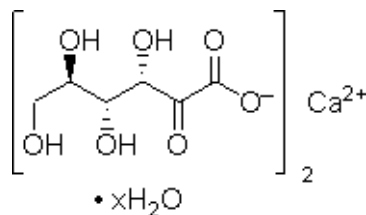
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Product Specification

Product Name:
2-Keto-D-gluconic acid hemicalcium salt hydrate

Product Number: **K6250**

Formula: $C_6H_9O_7 \cdot \frac{1}{2}CaO \cdot xH_2O$
Formula Weight: 213.17 AMU



TEST

Specification

Appearance (Form)	Powder
Appearance (Colour)	White to White w/ Yellow Cast
Solubility (Solvent)	Water
Solubility (Conc)	49.00 - 51.00 mg/ml
Solubility (Heating)	Yes or No
Solubility (Turbidity)	Clear
Solubility (Color)	Colorless
Elemental Anal. (%C observed)	29.00 - 31.00 %
NMR (Solvent)	D2O
Identity by NMR	Consistent
Purity (TLC)	≥ 99.00 %
Specific Rotation (Solvent)	Water
Specific Rotation (Conc)	18.00 - 22.00 mg/ml
Specific Rotation (Alpha D)	-80.00 - -60.00 deg
Recommended Retest Period	-----
3 Years	

Specification: PRE.0.ZQ5.10000001532

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.