



ELAROMA – SCL G1™ (Sucralose)

Technical Datasheet

1. Technical Datasheet

Property	Specification
Physical Properties	
Appearance	White or almost white crystalline powder.
Physical Form	White or almost white crystalline powder.
Odor	Odorless
Molecular Weight	397.63 g/mol
Molecular Formula	C ₁₂ H ₁₉ Cl ₃ O ₈
Density	1.69 g/cm ³
Viscosity	Newtonian viscosity characteristics in aqueous solution
Refractive Index	1.604
pH (10% aqueous solution)	5.0-7.0
Assay / Purity	98.0%-102.0% (anhydrous basis)
Chemical Properties	
pKa	12.52 ± 0.70
Incompatibilities	Powerful reducing or oxidizing agents, strong alkalies.
Thermal Properties	
Melting Point	125 °C (decomposes)
Boiling Point	669.4 °C
Flash Point	358.7 °C
Autoignition Temperature	390 °C (for dust)
Solubility	
Solubility in Water	Freely soluble; 28.3 g/100 mL (at 20 °C)
Solubility in Ethanol	Freely soluble
Solubility in Methanol	Freely soluble
Solubility in Ethyl Acetate	Slightly soluble

2. Dosing by Application



Application	Recommended / Max Dosage
Beverages (Soft Drinks, Juices, etc.)	GMP
Baked Goods and Mixes	GMP
Dairy Products (Yogurt, Ice Cream)	GMP
Confections and Frostings	GMP
Jams and Jellies	GMP
Tabletop Sweeteners	GMP
Processed Fruits	GMP
Nutritional and Dietary Supplements	GMP

The information and data contained herein are believed to be accurate but may not be all inclusive and should only be used as a guide. The information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the product for his particular use and on condition that they assume the risk of the use thereof.

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