

BaseBulk

CERTIFICATE OF ANALYSIS

Product Information

Product Name	Sucralose
Lot No.	KH-S60-230823-1
CAS No.	56038-13-2
Product Code	KH-S60
Production Date	2023-08-23
Expiry Date	2028-08-22
Country of Origin	China
Test Date	2023-08-23

Physical & Chemical Characteristics

Analysis Item	Specification	Result
Appearance	White to off-white crystalline powder	Passes
Identification (A) - IR	Passes test	Passes
Identification (B) - HPLC	Passes test	Passes
Identification (C) - TLC	Passes test	Passes
Assay (on anhydrous basis)	98.0% - 102.0%	99.2%
Optical (Specific) Rotation $[\alpha]_{D20}$	+84.0° ~ +87.5°	+85.8°
pH (10% aqueous solution)	5.0 - 7.0	6.2
Particle Size	≥95% through 250 μm	Passes

Chemical Purity / Contaminants

Analysis Item	Specification	Result
Lead (Pb)	≤1 mg/kg	<1 mg/kg
Heavy Metals (as Pb)	≤0.001%	0.001%
Arsenic (As)	≤1 mg/kg	<1 mg/kg
Methanol	≤0.1%	0.01%
Hydrolysis Products (Chlorinated Monosaccharide)	≤0.1%	<0.05%
Related Substances (Other Chlorinated Disaccharides)	≤0.5%	<0.25%
Residue on Ignition (Sulphated Ash)	≤0.7%	0.1%

Water	≤2.0%	0.1%
Triphenylphosphine Oxide	≤150 mg/kg	Not detect

Microbiological Tests

Analysis Item	Specification	Result
Total Aerobic Count	≤250 CFU/g	<10 CFU/g
Molds and Yeasts	≤50 CFU/g	<10 CFU/g
Total Coliform	Negative (<10 CFU/g)	<10 CFU/g
Escherichia coli	Negative (<10 CFU/g)	<10 CFU/g
Salmonella Species	Absent in 25g	Absent in 25g
Staphylococcus aureus	Absent in 25g	Absent in 25g
Pseudomonas aeruginosa	Absent in 25g	Absent in 25g