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Typical Product Specifications & Properties

Acesulfame Potassium

CAS Number: : 55589-62-3

Specifications	Limits
Very Soluble	in water, dmf, dmsO
Heavy Metals	< 5 mg/kg
Lead	< 1 mg/kg
Fluoride	< 3 mg/kg
Arsenic	< 3 mg/kg
Loss on Drying	< 1.0%
Sulfate	< 0.5%
Organic Impurities (HPLC)	< 20 mg/kg
Test for potassium	Positive
Solubility in ethanol	Slightly soluble
pH Value (1% aqueous solution)	6.5 - 7.5
Solubility in water	Freely soluble



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Specifications	Limits
Selenium	< 30 mg/kg
Assay	99.0 - 101.0%
Odor	wh. cryst. solid, odorless, sweet taste, very sl. bitter aftertaste
Melting Point	250 c
Molecular weight	201.24
Solubility	alcohol, glycerin-water
EINECS	259-715-3
SMILES	<chem>[k+].cc1=cc(=ns(=o)(=o)o1)[o-]</chem>
InChI	wbzfufaffuemei-uhfffaoyasa-m
InChIKey	1s/c4h5no4s.k/c1-3-2-4(6)5-10(7,8)9-3;/h2h,1h3, (h,5,6);/q:+1/p-1



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