

Kalama[®] Sodium Benzoate NF/FCC

CAS REGISTRATION NUMBER: 532-32-1

EINECS REGISTRATION NUMBER: 208-534-8

Sales Specifications – National Formulary / Food Chemicals Codex Grade

Parameter:	Specification Value:
Identification (NF/FCC)	Passes NF & FCC Tests (Tests A, B, and C)
Assay (NF/FCC)	99.0% - 101.0% of C ₇ H ₅ NaO ₂ , calculated on the anhydrous basis
Alkalinity (NF/FCC)	Not more than 0.04%, as NaOH
Heavy metals (NF)	Not more than 10 mg / kg (as Pb)
Arsenic	Not more than 3 mg / kg
Lead (FCC)	Not more than 2 mg / kg
Water (NF/FCC)	Not more than 1.5% (wt)
Residual solvents	Passes NF Limit Tests

Sales Specifications – European Pharmacopeia Grade

Parameter:	Specification Value:
Identification	Responds to EP tests for Sodium and Benzoate
Assay (by EP Method)	NLT 99.0 and NMT 100.5% of C ₇ H ₅ NaO ₂ , calculated with reference to the dried substance
Alkalinity	Not more than 0.2 mL of 0.1 M HCl per 20 mL of a 5% (w/v) solution. (0.08% as NaOH)
Acidity	Not more than 0.2 mL of 0.1 M NaOH per 20 mL of a 5% (w/v) solution. (0.244% as Benzoic)
Clarity of solution	10% (w/v) solution is clear
Colour of solution	Not more intensely coloured than reference solution.
Heavy metals (as Pb)	Not more than 10 mg / kg.
Halogenated compounds	
- Ionised chlorine	Passes EP Test (limit is 200 ppm)
- Total chlorine	Passes EP Test (limit is 300 ppm)
Loss on drying	When dried to a constant weight @ 100 to 105° C, not more than 2.0% of its weight is lost.
Residual solvents	Passes Limit Tests

Sales Specifications – EEC E-211 Grade

Parameter:	Specification Value:
Identification	Passes Tests
Assay	Not less than 99% on the anhydrous basis
Loss on drying	Not more than 1.5% @105° C
Alkalinity	Not more than 0.25 mL of 0.1 N HCl per 1 g of sample
Acidity	Not more than 0.25 mL of 0.1 N NaOH per 1 g of sample
Chlorinated organic compounds	Not more than 0.06% (as chlorine)
Readily oxidizable substances	Passes Limit Test
Polycyclic acids	Passes Test
ARSENIC	Not more than 3 mg/kg
LEAD	Not more than 2 mg/kg
MERCURY	Not more than 1 mg/kg

Typical Particle Size Distribution:	
Granulation	Typical Values
Powder	20 to 50% through an 80 mesh screen
Dense	3 to 6% through an 80 mesh screen
EDF	~1% through a 60 mesh screen

Available Standard Package Sizes:	
Granulation	Package Description
Powder	25 kg poly bag, 40 bags per pallet
Dense	25 kg poly bag, 40 bags per pallet
	500 kg FIBC
	700 kg FIBC
	1000 kg FIBC
EDF	25 kg poly-lined paper bag, 40 bags per pallet
	500 kg FIBC
All of the above package offerings are placed upon a non-returnable (4-way entry type) pallet. The bag(s) and the pallet are stretch wrapped with poly ethylene film.	

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