

Sodium Hydroxide Pellets

Grade: ACS/NF/EP/BP

Catalog number: 289ACSNFEPBP

Test	Mono-graph	Specification	Typical Result
Assay	ACS	NLT 97.0%	98.5%
Assay - Total Alkali	NF	95.0% - 100.5%	98.5%
Assay - Content of Sodium	NF	54.0% - 59.8%	57.5%
Appearance of solution	EP/BP	The solution is clear and colourless	Pass
Sodium Carbonate (Na ₂ CO ₃)	ACS	1.0% max.	0.5%
Sodium Carbonate (Na ₂ CO ₃)	NF	3.0% max.	0.5%
Carbonates	EP/BP	Maximum 2.0%, calculated as Na ₂ CO ₃	0.5%
Sulfate (SO ₄)	ACS	0.003% max.	LT 0.003%
Sulfates	EP/BP	Maximum 200 ppm	LT 30 ppm
Chloride (Cl)	ACS	0.005% max.	LT 0.005%
Chlorides	EP/BP	Maximum 200 ppm	LT 50 ppm
Nitrogen Compounds (as N)	ACS	0.001% max.	LT 0.001%
Phosphate (PO ₄)	ACS	0.001% max.	LT 0.001%
Heavy Metals (as Ag)	ACS	0.002% max	LT 0.002%
Iron (Fe)	ACS	0.001% max.	LT 0.001%
Iron	EP/BP	Maximum 10 ppm, determined on Solution S	LT 10 ppm
Nickel (Ni)	ACS	0.001%, max	LT 0.001%
Mercury (Hg)	ACS	0.1 ppm max.	LT 0.1 ppm

Test	Mono-graph	Specification	Typical Result
Calcium (Ca)	ACS	0.005%, max	LT 0.005%
Magnesium (Mg)	ACS	0.002% max.	LT 0.002%
Potassium (K)	ACS	0.02% max.	LT 0.02%
Potassium (K)	NF	NMT 0.5%	LT 0.5%
Identification A - General <191>	NF	A solution (1 in 25) meets the requirements	Pass
Identification B – Sodium	EP/BP	2 mL of Solution S gives reaction (a) of sodium	Pass
Identification B - pH <791>	NF	NLT 11.0	Pass
Identification A – pH	EP/BP	Minimum 11.0	Pass
Insoluble Substances and Organic Matter	NF	To Pass Test	Pass

Certification and Compliance Statements

This product complies with all of the current requirements listed in the American Chemical Society, National Formulary, European Pharmacopoeia, and British Pharmacopoeia monographs. Certain test data have been supplied by third parties.

This product is not derived, nor does it come in contact with, any materials derived from bovine or other animal sources.

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