



PRODUCT SPECIFICATIONS SHEET

Product Name Sodium Hydroxide Pellets
 Grade ACS/NF/EP/BP Grade
 Catalog # 289ACSNFEPBP

TEST	MONO-GRAPH	SPECIFICATION	TYPICAL RESULT
Assay	ACS	NLT 97.0%	99.4 %
Assay - Total Alkali	NF	95.0% - 100.5%	99.4 %
Assay - Content of Sodium	NF	54.0% - 59.8%	56.1 %
Appearance of solution	EP/BP	The solution is clear and colourless	Pass
Sodium Carbonate (Na ₂ CO ₃)	ACS	1.0% max.	0.6 %
Sodium Carbonate (Na ₂ CO ₃)	NF	3.0% max.	0.6 %
Carbonates	EP/BP	Maximum 2.0%, calculated as Na ₂ CO ₃	0.6 %
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
Calcium (Ca)	ACS	0.005%, max	LT 0.005%



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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 0.1%
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	11.4
Identification A - pH	EP/BP	Minimum 11.0	11.4
Insoluble Substances and Organic Matter	NF	To Pass Test	Pass

This product is for further commercial manufacturing, laboratory, or research use, and may be used as a process solvent for pharmaceutical purposes. It is not intended for use as an active ingredient in drug manufacturing nor as a medical device or disinfectant. Appropriate/legal use of this product is the responsibility of the user.