



Certificate of Analysis

Sodium Perchlorate

Catalog Number: SP1007
Lot Number: 0719902
CAS Number: 7601-89-0
Synonym(s): Hyperchloric acid sodium salt
Molecular Formula: NaClO_4
Molecular Weight: 122.44
Storage: 15°C – 30°C, Hygroscopic
Date of Manufacture: April 2, 2019
Retest Date: April 1, 2021

Test	Specification	Result
Appearance	White powder or chunks	Conforms
Assay	98 – 102%	98.80%
Solubility (2.09g/mL)	Report	Clear and colorless
pH (5% solution @ 25°C)	6.0 – 8.0	6.90
Insoluble matter	$\leq 0.005\%$	0.0037%
Chloride	$\leq 0.003\%$	$< 0.003\%$
Sulfate	$\leq 0.002\%$	$< 0.002\%$
Calcium	$\leq 0.02\%$	0.001%
Potassium	$\leq 0.05\%$	0.0015%
Heavy metals (as Pb)	$\leq 5\text{ppm}$	0.605ppm
Iron	$\leq 5\text{ppm}$	Not detected
This lot meets the current ACS specifications.		

Approved by:

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Date: July 22, 2019