



Certificate of Analysis

Zinc Nitrate Hexahydrate ACS

Catalog Number: ZN1001
Lot Number: 0516706
CAS Number: 10196-18-6
Molecular Formula: $\text{Zn}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$
Molecular Weight: 297.49
Storage: 15°C – 30°C
Date of Manufacture: September 14, 2015
Retest Date: September 13, 2020

Test	Specification	Result
Appearance	Colorless to white crystal	Conforms
Assay	$\geq 99.0\%$	99.58%
Identification	To pass test	Conforms
Solubility (10% in H_2O)	Clear to slightly hazy & colorless	Conforms
Acidity	$\leq 0.03\%$	None detected
Insoluble Matter	$\leq 0.005\%$	0.003%
Chloride	$\leq 0.005\%$	$< 0.005\%$
Phosphate	$\leq 0.001\%$	$< 0.001\%$
Sulfate	$\leq 0.01\%$	$< 0.010\%$
Calcium	$\leq 0.06\%$	0.0008%
Iron	$\leq 0.001\%$	0.0002%
Lead	$\leq 0.005\%$	0.0011%
Magnesium	$\leq 0.01\%$	0.0004%
Potassium	$\leq 0.02\%$	0.004%
Sodium	$\leq 0.05\%$	0.0002%

Approved by:

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Date: May 18, 2017