



Certificate of Analysis

Ammonium Phosphate Dibasic ACS

Catalog Number: AP1002
Lot Number: 1227601
CAS Number: 7783-28-0
Synonym(s): Ammonium hydrogen phosphate, Diammonium hydrogen phosphate
Molecular Formula: $(\text{NH}_4)_2\text{HPO}_4$
Molecular Weight: 132.06
Storage: 15°C – 30°C
Date of Manufacture: May 24, 2016
Retest Date: May 23, 2021

Test	Specification	Result
Appearance	Colorless to white crystals	Conforms
Assay	$\geq 98.0\%$	98.84%
Identification (FTIR)	To meet requirements	Conforms
Solubility (10%)	Clear & colorless	Conforms
pH (5%)	7.7 – 8.1	7.97
Insoluble Matter	$\leq 0.005\%$	0.003%
Chloride	$\leq 0.001\%$	$< 0.001\%$
Nitrate	$\leq 0.003\%$	$< 0.003\%$
Sulfate	$\leq 0.01\%$	$< 0.01\%$
Heavy Metals	$\leq 0.001\%$	$< 0.001\%$
Iron	$\leq 0.001\%$	$< 0.001\%$
Calcium	$\leq 0.001\%$	0.00025%
Magnesium	$\leq 0.0005\%$	0.00024%
Potassium	$\leq 0.005\%$	0.0008%
Sodium	$\leq 0.005\%$	0.0017%

Approved by:

John Grubb, PhD
Gojira Fine Chemicals, LLC
Quality Manager
Tel: 440-539-7033 Fax: 888-211-5523
john@gojiraafc.com

Date: December 27, 2016