



Version 0
Molecular weight 132.14
Molecular formula H8 N2 O4 S
CAS No 7783-20-2
Linear formula (NH4)2SO4
Flash point (°C)

Certificate of Analysis

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Catalog Number	42340	Quality Test / Release Date	19 March 2020
Lot Number	A0417708	Suggested Retest Date	March 2025
Description	Ammonium sulfate, 99+%, ACS reagent		
Country of Origin	NETHERLANDS		
Declaration of Origin	synthetic		

Origin Comment

Result Name	Specifications	Test Value
Appearance (Color)	Colorless to white	White
Appearance (Form)	Crystalline powder or crystals	Crystals
Titration excess NaOH	$\geq 99.0\%$	100.4 %
Heavy metals (as Pb)	≤ 5 ppm	≤ 2 ppm
Insoluble matter	$\leq 0.005\%$	$\leq 0.005\%$
pH	5.0 to 6.0 (5 % at 25°C)	5.1 (5 % at 25°C)
Residue after ignition	$\leq 0.005\%$	0.0005 %
Chloride (Cl)	≤ 5 ppm	≤ 2 ppm
Nitrate (NO3)	≤ 10 ppm	≤ 10 ppm
Phosphate (PO4)	≤ 5 ppm	≤ 2.5 ppm
Iron (Fe)	≤ 5 ppm	≤ 2 ppm



C. Wygaerts, QA Manager

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