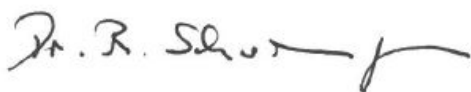


Certificate of Analysis

Product Name: Ammonium acetate
ACS reagent, $\geq 97\%$
Product Number: 238074
Batch Number: BCCC9402
Brand: Sigma-Aldrich
CAS Number: 631-61-8
Formula: $\text{CH}_3\text{CO}_2\text{NH}_4$
Formula Weight: 77.08
Quality Release Date: 09 MAR 2020
Recommended Retest Date: FEB 2022

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	WHITE	WHITE
APPEARANCE (FORM)	MOIST CRYSTALS	MOIST CRYSTALS
TITRATION	$\geq 97.0\%$	99.2 %
TITRATION (METHOD)	TITRATION BY HCL	TITRATION BY HCL
PH-TEST	6.7 - 7.3	7.1
PH (METHOD)	AT 25 DEG C (C=5%, H ₂ O)	AT 25 DEG C (C=5%, H ₂ O)
RESIDUE ON IGNITION	$\leq 0.01\%$	0.003 %
INFRARED SPECTRUM	CONFORMS TO STRUCTURE	CONFORMS
ACS SPECIFICATIONS	CORRESPONDS TO REQUIREMENTS	CORRESPONDS TO ACS (11TH ED.)
REMARKS ON ACS	INSOLUBLE MATTER (10%, H ₂ O) $\leq 0.005\%$ HEAVY METAL. (AS LEAD) ≤ 5 PPM	INSOLUBLE MATTER (10%, H ₂ O) $< 0.005\%$ HEAVY METAL. (AS LEAD) < 5 PPM
IRON (ICP)	≤ 5 PPM	< 5 PPM
TOTAL SULFUR AS SO ₄ (ICP)	$\leq 0.001\%$	$< 0.001\%$
CHLORIDE (CL)	≤ 5 PPM	< 5 PPM
NITRATE (NO ₃)	$\leq 0.001\%$	$< 0.001\%$



Dr. Reinhold Schwenninger
Quality Assurance
Buchs, Switzerland

Sigma-Aldrich warrants that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.