

## Certificate of Analysis

**Product Name:** AMMONIUM ACETATE  
*BioUltra*, for molecular biology

**Product Number:** 09688

**Product Brand:** Fluka

**Molecular Formula:** C<sub>2</sub>H<sub>7</sub>NO<sub>2</sub>

**Molecular Mass:** 77.08

**CAS Number:** 631-61-8

TEST	SPECIFICATION	LOT 1452282 RESULTS
APPEARANCE (COLOR)	COLORLESS	COLORLESS
APPEARANCE (FORM)	POWDER TO FINE CRYSTALS WITH LUMPS	FINE CRYSTALS
TITRATION	99.0 - 101.0 %	99.4 %
TITRATION (METHOD)	N-DETERMINATION ACCORDING TO KJELDAHL	N-DETERMINATION ACCORDING TO KJELDAHL
WATER	≤ 1.0 %	0.5 %
RESIDUE ON IGNITION	≤ 0.01 %	< 0.0001 %
METAL TRACE ANALYSIS (ICP)	CORRESPONDS TO REQUIREMENTS	PASSED
ALUMINIUM (ICP)	≤ 5 MG/KG	< 5 MG/KG
BARIUM (ICP)	≤ 5 MG/KG	< 5 MG/KG
BISMUTH (ICP)	≤ 5 MG/KG	< 5 MG/KG
CALCIUM (ICP)	≤ 10 MG/KG	< 10 MG/KG
CADMIUM (ICP)	≤ 5 MG/KG	< 5 MG/KG
COBALT (ICP)	≤ 5 MG/KG	< 5 MG/KG
CHROMIUM (ICP)	≤ 5 MG/KG	< 5 MG/KG
COPPER (ICP)	≤ 5 MG/KG	< 5 MG/KG
IRON (ICP)	≤ 2 MG/KG	< 2 MG/KG
POTASSIUM (ICP)	≤ 50 MG/KG	< 50 MG/KG
LITHIUM (ICP)	≤ 5 MG/KG	< 5 MG/KG
MAGNESIUM (ICP)	≤ 5 MG/KG	< 5 MG/KG
MANGANESE (ICP)	≤ 5 MG/KG	< 5 MG/KG
MOLYBDENUM (ICP)	≤ 5 MG/KG	< 5 MG/KG
SODIUM (ICP)	≤ 50 MG/KG	< 50 MG/KG
NICKEL (ICP)	≤ 5 MG/KG	< 5 MG/KG

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<b>LEAD (ICP)</b>	≤ 5 MG/KG	< 5 MG/KG
<b>STRONTIUM (ICP)</b>	≤ 5 MG/KG	< 5 MG/KG
<b>ZINC (ICP)</b>	≤ 5 MG/KG	< 5 MG/KG
<b>ARSENIC TRACES (MHS-AAS)</b>	≤ 0.1 MG/KG	< 0.05 MG/KG
<b>TOTAL SULFUR AS SO<sub>4</sub> (ICP)</b>	≤ 10 MG/KG	< 10 MG/KG
<b>CHLORIDE (CL)</b>	≤ 5 MG/KG	< 5 MG/KG
<b>NITRATE (NO<sub>3</sub>)</b>	≤ 10 MG/KG	< 10 MG/KG
<b>SULFATE (SO<sub>4</sub>)</b>	≤ 10 MG/KG	< 10 MG/KG
<b>VARIOUS GUARANTEE LABEL TEST</b>	KMNO(4)-RED. MATTER (AS O) < 50 MG/KG	KMNO(4)-RED. MATTER (AS O) < 50 MG/KG
<b>EXTRANEOUS ACTIVITIES</b>	DNASES, RNASES, PROTEASES, PHOSPHATASES NOT DETECTABLE	DNASES, RNASES, PROTEASES, PHOSPHATASES NOT DETECTABLE
<b>SOLUBILITY (METHOD)</b>	1M IN H <sub>2</sub> O	1M IN H <sub>2</sub> O
<b>APPEARANCE (SOLUTION)</b>	CLEAR COLORLESS	CLEAR COLORLESS
<b>PH</b>	6.5 - 7.5	7.2
<b>RESIDUE (FILTER TEST)</b>	NO RESIDUE	NO RESIDUE
<b>UV - ABS. AT 260 NM</b>	≤ 0.01	0.001
<b>UV - ABS. AT 280 NM</b>	≤ 0.01	< 0.001

**QC RELEASE DATE** 26/OCT/09

**RECOMMENDED RETEST DATE** APR/14



Edeltraud Schwärzler, Manager

Quality Control

Buchs, Switzerland

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