Type in Product Names, Product Numbers, or CAS Numbers to see suggestions.

Specification Sheet

Product Name	Ammonium formate eluent additive for LC-MS, LiChropur™, ≥99.0%
Product Number	70221
Product Brand	SIAL
CAS Number	540-69-2
Molecular Weight	63.06

TEST	SPECIFICATION
APPEARANCE (COLOR)	White
APPEARANCE (FORM)	Crystals
TITRATION (NT) HCLO4 0.1M	99.0 - 101.0 % (calc. based on dry substance)
LC-MS	CORRESPONDS TO REQUIREMENTS
WATER	≤ 2 %
RESIDUE ON IGNITION	≤ 0.10 %

TEST	SPECIFICATION
METAL TRACE ANALYSIS (ICP)	CORRESPONDS TO REQUIREMENTS
ALUMINIUM (ICP)	≤ 1 mg/kg
BARIUM (ICP)	≤ 1 mg/kg
BISMUTH (ICP)	≤ 1 mg/kg
CALCIUM (ICP)	≤ 5 mg/kg
CADMIUM (ICP)	≤ 1 mg/kg
COBALT (ICP)	≤ 1 mg/kg
CHROMIUM (ICP)	≤ 1 mg/kg
COPPER (ICP)	≤ 1 mg/kg
IRON (ICP)	≤ 1 mg/kg
POTASSIUM (ICP)	≤ 5 mg/kg
LITHIUM (ICP)	≤ 1 mg/kg
MAGNESIUM (ICP)	≤ 1 mg/kg
MANGANESE (ICP)	≤ 1 mg/kg
MOLYBDENUM (ICP)	≤ 1 mg/kg
SODIUM (ICP)	≤ 5 mg/kg
NICKEL (ICP)	≤ 1 mg/kg

TEST	SPECIFICATION
LEAD (ICP)	≤ 1 mg/kg
STRONTIUM (ICP)	≤ 1 mg/kg
ZINC (ICP)	≤ 1 mg/kg
ARSENIC TRACES (MHS-AAS)	≤ 0.10 mg/kg
TOTAL SULFUR AS SO4 (ICP)	≤ 50 mg/kg
CHLORIDE (CL)	≤ 50 mg/kg
SOLUBILITY (METHOD)	1M in water
APPEARANCE (SOLUTION)	CLEAR COLORLESS
PH (SOLUTION)	5.5 - 7.5
RESIDUE (FILTER TEST)	NO RESIDUE
UV - ABS. AT 260 NM	≤ 0.01
UV - ABS. AT 280 NM	≤ 0.01
RECOMMENDED RETEST PERIOD	42 MONTHS

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