

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Specification Sheet

Product Name:	<b>Acetic acid</b>
Specifications & Purity:	PharmPure™, Moligand™, Ph.Eur., JP, USP
SKU #	<b>A774565</b>

Parameter	Limit Values
Assay(PhEur/USP)	99.5-100.5 (%)
ASSAY(JP)	≥99 (%)
Appearance(A774565)	Crystalline mass or clear, colourless, volatile liquid
Appearance-clarity (PhEur)	≤ 3 (NTU)
Appearance-colour (PhEur)(Solution is clear and colourless if it has the appearance of water or is not more intensely coloured than reference solution B9)	Pass
Solubility:miscible with water, with ethanol (96 per cent) and with methylene chloride	Pass
Identity(PhEur)(A)	Pass
Identity(PhEur)(B)	Pass
Identity(USP)	Conforms
Identity (JP)	Conforms
Identity acetate (PhEur)(A blue precipitate is formed or a dark blue colour develops)	pass
Identity acetate (JP)	Conforms
identity acetate(USP)	Conforms
Solution Appearance(PhEur)(The substance to be examined is clear and colourless)	Pass
Freezing Point(PhEur)	≥14.8 (°C)
Reducing Substances(PhEur)	Conforms
Chlorides(PhEur)	0-25 (mg/L)
Chlorides(USP)	Pass
Chlorides(JP)	Pass
Sulfates(PhEur)	≤ 50 (mg/L)
Sulfates(USP/JP)	Pass
Iron(PhEur)	0-5 (ppm)
Residue on Evaporation(PhEur)	0-0.01 (%)
Nonvolatile Residue(USP)	0-1 (mg)
Nonvolatile residue(JP)	≤ 1 (mg)
Readily Oxidizable Substances(USP)	Pass
Congealing Temperature(USP)	≥ 15.6 (°C)
Congealing Point(JP)	≥14.5 (°C)
Heavy metals(JP)	≤10 (ppm)

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Parameter	Limit Values
Potassium permanganate-reducing substances	Conforms
Residual solvents(As no solvents are used in the process, by default the product meets the requirements of ICH Q3C (R4))	Pass
Bacterial endotoxins	0-2.5 (IU/ml OR u/ml)
Microbiological testing (Total aerobic microbial count)	≤ 100 (cfu/ml)
Microbiological testing (Total yeast and mold count)	≤ 10 (CFU/mL)
Elemental impurities(No elemental impurities exceeded the control threshold of option 1 limit as stated in ICHQ3D)	Conforms
Acetaldehyde	≤0.02 (%)