

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Specification Sheet

Product Name:	<b>Succinic acid</b>
Specifications & Purity:	PharmPure™, ChP, JP, ACS, NF, GMP, crystalline
SKU #	<b>S431422</b>

Parameter	Limit Values
Arsenic(As)	0-0.00015 (%)
Assay(alkalimetric)	99.0-100.5 (%)
Assay(HPLC)	98-102 (%)
Identity(HPLC)	Passes test
Identity (IR-spectrum)	conforms
Water Insoluble Matter	0-0.01 (%)
Identity (wet chemistry)	passes test
Melting range	185-190 (°C)
Residual solvents (ICH Q3C)(excluded by manufacturing process)	pass
Substances reducing permanganate	Passes test
Nitrogen compounds(as N)	0-0.001 (%)
Phosphate(PO4)	0-0.001 (%)
Chloride (Cl-)	0-0.001 (%)
Sulfate(SO4)	0-0.003 (%)
Fe(iron)	0-5 (ppm)
Heavy metals (as Pb)	0-5 (ppm)
Appearance(S431422)	White crystalline
Solubility:soluble in methanol or ethanol or water, and slightly soluble in acetone	Pass