

## L – Arginine Hydrochloride

Date Issued : Feb 10, 2021  
Revised : 04

### Product description

<b>Appearance</b>	White or almost white crystal, crystalline powder or colorless crystals
<b>Solubility</b>	Soluble in water, sparingly soluble in alcohol, and practically insoluble in ether

### Specification

Test	Specification	Method
<b>Identification</b>	Passes test	Infrared absorption
<b>Chemical</b>	Assay	99.0% ~ 101.0%
	State of solution	Not less than 98%
	Loss on drying	Not more than 0.2%
	pH	4.7 ~ 6.2
	Specific rotation	20°C: +22.1° ~ +22.9°
<b>Inorganic Impurities</b>	Residue on ignition	Not more than 0.1%
	Chloride	16.6% ~ 17.00%
	Sulfate	Not more than 0.02%
	Ammonium	Not more than 0.02%
	Heavy metals	Not more than 5.0 ppm
	Lead	Not more than 0.5 ppm
	Arsenic	Not more than 1.0 ppm
	Cadmium	Not more than 0.5 ppm
	Mercury	Not more than 0.1 ppm
	Iron	Not more than 10.0 ppm
<b>Organic Impurities</b>	Ninhydrin-positive substance	Individual (Not more than 0.5%) Total (Not more than 2.0%)
	Organic volatile	Meet the requirement
	Total plate count	Not more than 100 cfu/g
<b>Microbiological</b>	Yeast & mould	Negative/g
	Coliform bacteria	Negative/g
	<i>Escherichia coli</i>	Negative/g
	<i>Staphylococcus aureus</i>	Negative/g
	<i>Bacillus cereus</i>	Negative/g
	<i>Clostridium perfringens</i>	Negative/g
	<i>Clostridium botulinum</i>	Negative/g
	<i>Salmonella sp.</i>	Negative/25g
	<i>Enterobacteriaceae</i>	Negative/10g

*This product meets quality requirements of current EP 10, USP 42, ChP 2015 and FCC 11 monographs.*

### Packaging

25 kg double poly-ethylene bags with a silica-gel in fiber drum

### Storage

Keep container dry and tightly closed. Store at room temperature and in a well-ventilated place. Keep away from heat and oxidizing agents.

### Shelf life

60 months when stored in the above mentioned condition

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