

Product Technical Data Sheet

Product name: Creatine HCL

AC code: AC03001a



1. Technical Data Sheet

Chemical Name	N/A
CAS number	17050-09-8
Compliance (Food / Pharmacopoeia / FCC / Feed)	Food Supplement

Brief introduction:

Creatine HCL (Creatine hydrochloride) is a supplement primarily used to enhance athletic performance and improve muscle strength. It increases creatine reserves in the muscles, which improves endurance and recovery speed for high-intensity training. It helpful for muscle hydration, helping to build muscle and improve exercise performance.

Item	Standard	Analysis Method
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Appearance & Solubility

Appearance	White Fine Powder
Odor and Taste	Neutral odor

Typical Analysis

Item	Standard Specification	
Assay	Not less than 98.0%	HPLC
M.P	Not less than 120°C	HPLC
Loss on drying	Not more than 1.0%	HPLC
Residue on ignition	Not more than 0.1%	HPLC
Chloride	Not more than 0.05%	HPLC

Heavy metals

Heavy metals	Not more than 10ppm	HPLC
Lead	Not more than 3ppm	HPLC
Arsenic	Not more than 0.1ppm	HPLC
Cadmium	Not more than 1ppm	HPLC
Mercury	Not more than 1ppm	HPLC

Microorganism

Coliforms	Negative	HPLC
Salmonella	Negative	HPLC
Total plate count	Not more than 1000cfu/g	HPLC
Yeast&mold	Not more than 50cfu/g	HPLC

Storage & Shelf Life

Package	20kgs/carton or 25kgs/drum
Shelf life	2 years
Storage	Store below 25°C and protect from heat and light.