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Technical Data Sheet

Product name: **Medical grade Zinc stearate (USP35-NF30 / BP2013 / CP2020 grade)**

CAS Number: 557-05-1

Application field: Pharmaceutical and food

M.F.: C₃₆H₇₀O₄Zn

M.W.: 632.33

Function

Widely used in the **pharmaceutical industry and is an important pharmaceutical excipient**. Its hydrophobicity can effectively prevent tablets from getting damp.

Specification

Testing Item	Testing standard	
	USP35-NF30	BP2013
Specification		
Identification	Meet the specification	Meet the specification
Solubility	/	Meet the specification
Ph value	/	Meet the specification
Acid value	/	195-210
Chloride, ppm	/	≤250
Sulfate, %	/	≤0.6
Arsenic, ppm	≤1.5	/
Cadmium, ppm	/	≤5
Lead, ppm	/	≤25
Heavy Metal, ppm	≤10	/
Alkaline Earth, %	≤1.0	/
Content (In Zinc Oxide), %	12.5-14.0	/
Content (In Zinc), %	/	10.0-12.0

Testing Item	Testing Standard of CP2020
Characters	This product is a white or off white fine powder; This product is almost insoluble in water or anhydrous ethanol.
Identification 1: Zinc salt identification reaction	Positive
Identification 2: Fatty acid condensation point, °C	≤54
PH	Complies with standard
Acid value of fatty acids	195-210
Color of Solution	Complies with standard
Clarity and color of fatty acid solution	Complies with standard
Chloride, %	≤0.025
Sulfate, %	≤0.6
Cadmium, %	≤0.0005
Lead, %	≤0.0025
Arsenic, %	≤0.00015
Zinc, %	12.5-14.0

Packing

External woven bag, lined with high-pressure polyethylene film 20 kg/bag, can also be packaged according to customer requirement.