Pharmaceutical raw material

Magnesium stearate

Excipients for tablets and semi-solids

CAS 557-04-0



Material illustration

Substance identity

Compendial magnesium stearate contains a mixture of fatty-acid salts. Compare magnesium on a dried basis alongside the fatty acid profile.

Property	Reference value	Method or source
CAS number	**557-04-0**	USP–NF
Material type	**Magnesium salts of fatty acids**	USP–NF
Composition	**Mainly stearate and palmitate**	USP–NF
Grade selection parameter	**Fatty acid profile**	USP–NF
Mg · dried basis	**4.0–5.0 %**	USP–NF

For acceptance, check the agreed specification and the certificate of analysis (COA) for the delivered lot.



Applications

A tableting lubricant that reduces friction as a tablet leaves the die. Specific surface area and fatty acid composition can matter to process reproducibility.



Purchasing criteria

Specify the fatty acid profile, any feedstock origin requirements and the method for specific surface area if this attribute is controlled. Agree on a press-trial sample when changing supply source.

Technical reference

USP–NF

Sales enquiries

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