SPI Pharma™
Making a Difference
An ABF Ingredients Company

TAP® Tartaric Acid Spheres

Highly spherical, and high quality pellets for advanced formulations

TAP® pellets are spherical cores made of tartaric acid.   They are manufactured to be highly spherical, and high quality. These materials are a solubility enhancement solution for drugs that exhibit poor solubility in alkali environments.
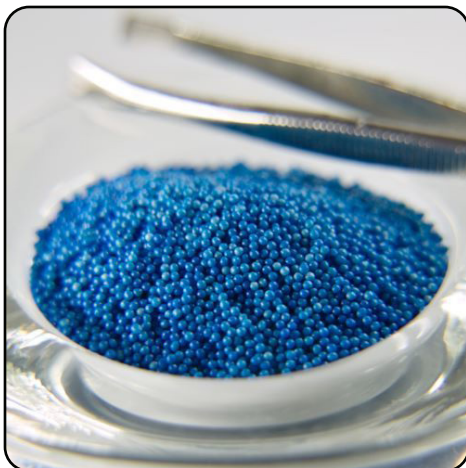
PARTICLE ENGINEERING

SPI Pharma's tartaric acid pellets are manufactured for SPI using TAP® processes from Advanced Drug delivery Technology, ltd. This ensures robust mechanical stability and the highest consistency and quality.

TAP® Pellets ADVANTAGE

Spherical tartaric acid starter cores are emerging as a critical tool in the solubility enhancement toolkit for drug formulators Engineered for effective loading and coating, TAP® pellets can be coated with an API that exhibits pH dependent solubility. TAP® spheres can create an acidic micro-environment for the drug coating to improve solubility, release, absorption, and efficacy.

TECHNICAL SUPPORT

SPI brings excipient material expertise and oral dose development to the superior physical properties of these pellets. If your team is unsure of where or how to start, SPI Pharma's customer-focused Technical Development Managers are here to help quickly and efficiently formulate your drug product.

Does your project require a bit more support due to aggressive timelines or technical demands? Our custom formulation services from our expert pellet formulators are available for your needs.

Product Properties

	TAP 200	TAP 300	TAP 400	TAP 500	TAP 600	TAP 700
Particle size distribution (≥ 85 %)	100-350 µm	200-355 µm	300-500 µm	400-600 µm	500-700 µm	600-800 µm

Additional Properties

Bulk density Ph.Eur.	0.8-1.1 g/ml
Identification A, solution strongly acidic Ph.Eur.	strongly acidic
Identification B, reaction of tartrate Ph.Eur., USP/NF	positive
Identification C, infra-red absorption USP/NF	IR-spectrum equivalent reference standard
Appearance in solution Ph.Eur.	clear and not more intensely colored than the reference Y6
Water content Ph.Eur.	≤ 0.5 %
Loss on drying USP/NF	≤ 0.5 % (for information only)
Calcium Ph.Eur.	≤ 200 ppm
Chloride Ph.Eur.	≤ 100 ppm
Specific optical rotation Ph.Eur., USP/NF	+12.0° to +12.8°
Limit of oxalate USP/NF	no turbidity
Residue on ignition Ph.Eur., USP/NF, JP	≤ 0.05 %
Sulfate Ph.Eur., USP/NF, JP	≤ 150 ppm
Heavy metals Ph.Eur., USP/NF, JP	≤ 10 ppm
Arsenic JP	≤ 1 ppm
Assay USP/NF	99.7 % to 100.5 %
TAMC Ph.Eur., USP/NF, JP	less than 1000 CFU/g
TYMC Ph.Eur., USP/NF, JP	less than 100 CFU/g
E.coli Ph.Eur., USP/NF, JP	absence in 1 g sample

Explore the possibilities by scheduling a technical review today.

in SPI Pharma

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