



International Products & Services srl

Headquarters: 6, via Civesio I-20097 San Donato Milanese - Milano (Italy)

Manufacturing Plant: 7/11, via Tirso I-20098 San Giuliano Milanese - Milano (Italy)

Phone/Fax +39 029880416 - E-mail: info@sugarspheres.it - Web site: www.sugarspheres.it

SPECIFICATIONS

Product/Material Name	100% TARTARIC ACID PELLETS USP		
Reference No.	TS TA 02	Revision No.	00
Effective Date	15/04/2020		

TESTS	REFERENCES	SPECIFICATIONS
Description	IPS	Almost spherical particles
Colour	IPS	Off-white
Assay	USP	99.7 - 100.5 %
Identification A,B	USP	Positive
Loss on drying	USP	max 0.5%
Specific rotation	USP	12.0°+13.0°(s. 10% dry)
Oxalate	USP	Not turbidity produced
Chloride	USP	Not turbidity produced
Sulphate	USP	Not turbidity produced
Heavy metals	USP	Max 10 ppm
Bulk density	IPS	≥ 0.85

MICROBIOLOGICAL TESTS

Total aerobic microbial count (Bacteria)	EP	10 ³ CFU/g
Total yeasts and moulds count (Fungi)	EP	10 ² CFU/g
Escherichia coli	USP/EP	absent
Salmonella	USP/EP	absent

AVAILABLE SIZES

SINGLE SIZES - standard	#20	710 -1000 µm
	#25	600 -850 µm
SINGLE SIZES - small	#30	500 -710 µm
	#35	425 -600 µm
	#40	355 - 500 µm
	#45	300 -425 µm
DOUBLE SIZES - standard	#18/20	850-1000 µm
	#20/25	710 -850 µm
DOUBLE SIZES - small	#25/30	600 - 710 µm
	#30/35	500 - 600 µm
	#35/40	425 -500 µm
	#40/45	355 -425 µm

Approved by: Quality Assurance Manager



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Effective Date	15/04/2020		

TESTS	REFERENCES	SPECIFICATIONS
Description	IPS	Almost spherical particles
Colour	IPS	Off-white
Assay	EP	99.5 - 101 %
Solubility	EP	very soluble in water, freely soluble in ethanol
Identification A,B	EP	Positive
Appearance of solution	EP	Solution S is clear, and not more intensely coloured than reference solution Y6
Loss on drying	EP	max 0.2%
Specific rotation	EP	12.0°+12.8°(s. 10% dry)
Oxalic Acid	EP	max 360 ppm
Calcium	EP	<200 ppm
Chlorides	EP	<100 ppm
Sulphates	EP	< 150 ppm
Sulphated ash	EP	<0.1%
Bulk density	IPS	≥ 0.85

MICROBIOLOGICAL TESTS

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