International Products & Services Srl

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

SPECIFICATIONS			
Product/Material Name	100% TARTARIC ACID PELLETS *EP*		
Reference No.	TS TA 01	**Revision No.**	02
Effective Date	12/02/2024		

TESTS	REFERENCES	SPECIFICATIONS
Description	IPS	Almost spherical pellets
Colour	IPS	Off-white
Assay	EP	99.5 – 101.0 %
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 colored than reference solution Y6
Loss on drying	EP	Max. 0.2%
Specific rotation	EP	12.0°+12.8° (dried substance)
Oxalic Acid	EP	Max. 360 ppm
Calcium	EP	Max. 200 ppm
Chlorides	EP	Max. 100 ppm
Sulphates	EP	Max. 150 ppm
Sulphated ash	EP	Max. 0.1%
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	EP	Absent
Salmonella	EP	Absent
AVAILABLE SIZES		
SINGLE SIZES -standard	#18	850 -1180µm
	#20	710 -1000µm
	#25	600 -850 µm
SINGLE SIZES -small	#30	500 -710 µm
	#18	850 -1180µm
	#35	425 -600 µm
	#40	355 - 500µm
	#45	300 -425 µm
DOUBLE SIZES -standard	#18/20	850-1000µm
	#20/25	710 -850µm
DOUBLE SIZES - small	#25/30	600 - 710µm
	#30/35	500 - 600µm
	#35/40	425 -500 µm
	#40/45	355 -425 µm

Approved by: Quality Assurance Manager

International Products & Services srl
QA & RA Department

Manufacturing plant in San Giuliano Milanese:
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Soggetta a direzione e coordinamento ex art. 2497 bis c.c. dalla società Padusa S.p.A. CCIAA 947609 - Tribunale Milano- Soc. 171054 -val. 5023 - Fasc. 4 - Cod. Fisc./Partita IVA 02826140150 M. MI 066726

International Products & Services Srl

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

SPECIFICATIONS			
Product/Material Name	100% TARTARIC ACID PELLETS *USP*		
Reference No.	TS TA 02	**Revision No.**	03
Effective Date	02/01/2025		

TESTS	REFERENCES	SPECIFICATIONS
Description	IPS	Almost spherical pellets
Colour	IPS	Off-white
Assay	USP	99.7 – 100.5 %
Identification (Tartrate)	USP	Positive
Residue on ignition	USP	NMT. 0.1%
Loss on drying	USP	Max. 0.5%
Specific rotation	USP	+12.0° to +13.0°
Oxalate	USP	No turbidity produced
Sulphates	USP	No turbidity produced
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	EP	Absent
Salmonella	EP	Absent
AVAILABLE SIZES		
SINGLE SIZES - standard	#18	850 -1180 µm
	#20	710 -1000 µm
	#25	600 -850 µm
SINGLE SIZES - small	#30	500 -710 µm
	#18	850 -1180 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

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