Trafa Pharmaceutical Supplies, LLC
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Specification Sheet

Apple Extract Quercetin 98%

Botanical Source	*Malus Pumila*	**Country of Origin**	China	
Appearance	Yellow Green Fine Powder	**Part Used**	Flower	(100% Natural)
Solvents Used	Water&Ethanol	**Carrier Used**	None	
Sterilization Method	Heat || NON-IRR	**Kosher || Halal**	Yes || No	

ITEMS	SPECIFICATION	METHOD
Content	Quercetin≥98%	HPLC || USP<621>
Identification	Must positive	Infrared Absorption
PHYSICAL CHARACTERISTICS		
Particle Size	100% Through 80 mesh	Analytical sieving || USP <786>
Melting point	305℃—315℃	Melting point Apparatus
Loss on Drying	NMT 12.00%	USP <731>
Sulphated Ash	NMT 0.50%	USP <561>
Bulk Density	≥0.20gm/cc	USP <616> Method I
Tapped Density	≥0.30gm/cc	USP <616> Method I
CHEMICAL CHARACTERISTICS		
Residual Solvent	NMT 5000ppm	GC || USP <467>
Pesticide Residue	Meet the requirements	GC || USP <561>
Heavy Metals(as Pb)	NMT 10ppm	USP <231> Method II
Arsenic (As)	NMT 2ppm	ICP-MS
Lead (Pb)	NMT 2ppm	ICP-MS
Cadmium(Cd)	NMT 1ppm	ICP-MS
Mercury(Hg)	NMT 1ppm	ICP-MS
MICROBIOLOGICAL CHARACTERISTICS		
Total Plate Count	NMT10000cfu/g	USP<61>
Total Yeast & Mold	NMT1000cfu/g	USP<61>
E.Coli	Not Detected in(g) 10	USP<61>
Salmonella	Not Detected in(g) 25	USP<61>
Staphylococcus	Not Detected in(g) 10	USP<61>

Packing and Storage

Polyethylene bag with cardboard drum. 25kg net.
Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Note: The above information is based on the specifiction sheet received from the manufacturer of this product and not intended as a substitute for strict quality control analysis by the purchaser of this product.

Reviewed by :_____
Abdullah Malik (QA)