



Certificate of Analysis

Product Name:	Meldonium dihydrate	Batch Number:	Varies
Cas NO.	86426-17-7	Manufacture Date:	Varies
Molecular Formula:	C ₆ H ₁₄ N ₂ O ₂	Expiry Date::	Varies

IDENTIFICATION		SPECIFICATION	RESULT
Assay		99% - 101%	99.26 - 99.43%
Physical	Appearance	White or almost white crystalline powder	Complies
	Dissolution	Easily soluble in water, soluble in 95% alcohol	Complies
	Identification	Should be positive respond IR graphs should be conforms to the reference standard	Complies
	pH	7.0-9.0	8.85 - 8.87
	Optical Transmission	> 95%	98.21 - 98.31%
	Water	19.7 - 21.0%	20.21 - 20.25%
	Chlorides	≤ 0.01%	Complies
	Sulfates	≤ 0.01%	Complies
	Sulfated Ash	≤ 0.1%	0.047%
	Particle Size	100% pass 80 mesh	Complies
	Residual organic solvents	≤ 0.3% of methanol	Not Detected
		≤ 0.5% of ethanol	0.08%
Chemical	Heavy Metals	≤ 10 ppm	Complies
Microbial	Microbiological Quality	Should meet the requirements	Complies

Else	Storage condition	Sealed, kept in shady and dry place
	Shelf life	Three years

