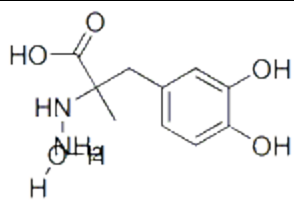


**HANGZHOU DINGYAN CHEM CO.,LTD**

TEL: 86-571-87157530,86465881,88025800, FAX:86-571-87156470

E-Mail:sales@dingyanchem.com,Web: www.dingyanchem.com

**CERTIFICATE OF ANALYSIS****NO: DYC031805036**

Product Name	Carbidopa
CAS Number	38821-49-7
Molecule Structure	
Molecule Formula	C <sub>10</sub> H <sub>16</sub> N <sub>2</sub> O <sub>5</sub>
Batch Number	20180322
Manuf. & Exp. Date	20180322
Testing Date	20180322

Items	Standard	Result
Appearance	White to creamy white powder	Conform
Solubility	Slightly soluble in water, freely soluble in 3 N hydrochloric acid, slightly soluble in methanol, practically insoluble in alcohol, in acetone, in chloroform, and in ether.	Conform
Identification	IR: The spectrum of sample corresponds to that of the ref. standard.	Conform
	HPLC: The retention time of sample of main peaks corresponds to that of the ref. standard.	Conform
Specific rotation	-21° ~ -23.5°	-21.8°
Loss on drying	6.9% ~ 7.9%	7.2%
Residue on ignition	≤0.1%	0.05%
Heavy metals	≤0.001%	<0.001%
Methyldopa	≤0.5%	0.1%
Carbidopa related compound A	≤0.5%	Negative

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Any other impurity	≤0.1%	0.01%
Total impurities	≤1.0%	0.13%
Residual solvents	Should conform	Conform
Assay	98.0% ~ 102.0%	99.6%
Conclusion	This product meets the requirements of USP39.	

**QUALITY CONTROL:**

Hangzhou Dingyan Chem Co., Ltd.

Quality Control ..... Ivy .....  
Signature(s)**CHECK:**姚仙娟**INSPECTOR:** 刘清风