



THE GOVERNMENT PHARMACEUTICAL ORGANIZATION

RAW MATERIAL SPECIFICATION

Title : Furosemide USP (For injection dosage form) (Item No. 41032020)**Spec. No. :** SP-AK30-F14/1**Reference(s) :** USP 39 p. 4059-4060**Rev. No. :** 06**Other Requirements :** GPO Specification**Page :** 1/3USP 39

Test Items	Specification	
Description	White to slightly yellow, odorless, crystalline powder.	
Solubility	Freely soluble in acetone, in dimethylformamide, and in solutions of alkali hydroxides; soluble in methanol; sparingly soluble in alcohol; slightly soluble in ether; very slightly soluble in chloroform; practically insoluble in water.	
Identification		
A. Infrared absorption <197K>	The IR absorption spectrum of sample exhibits the same spectrum as Reference Standard. Absorptivities at 271 nm, calculated on the dried basis, do not differ by more than 3.0%.	
B. Ultraviolet absorption <197U>		
C. Chemical Test		
Loss on drying	A red to red-violet color is produced.	
Residue on ignition	Not more than 1.0%.	
Organic impurities	The sum of the peak areas of peaks eluting before furosemide at 254 nm.	: Not more than 0.5%.
	The sum of the peak areas of peaks eluting after furosemide at 272 nm.	: Not more than 0.5%.
Assay	98.0 – 101.0% of Furosemide (C ₁₂ H ₁₁ ClN ₂ O ₅ S), calculated on the dried basis.	

เอกสารไม่ควบคุม
ใช้ในการจัดซื้อ

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History of changes

Rev. No.	Description	Effective date
04	Update spec. เป็น USP 34	30/01/12
05	Update spec. เป็น USP 39 เนื่องจากเอกสารมีอายุครบ 3 ปี จึงต้องทบทวน โดยเนื้อหาของ USP 34 และ USP 39 เหมือนกัน	23/06/16
06	เอกสารมีอายุครบ 3 ปี จึงต้องทบทวน โดยคงเนื้อหาเดิม USP 39	15/08/19

เอกสารไม่ควบคุม
ใช้ในการจัดซื้อ

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