



COPY No. 2

THE GOVERNMENT PHARMACEUTICAL ORGANIZATION

RAW MATERIAL SPECIFICATION

Title : Hydrogen Peroxide Solution BP [50%w/w]

Spec. No. : SP-AK30-H3

(Item No. 41032100)

Reference(s) : GPO Specification

Rev. No. : 03

Other Requirements : BP 2014 page I-1137

Page : 1/3

[Hydrogen Peroxide Solution (30%)]

GPO Specification

Description

: Colourless, clear liquid.

Identification

a) To 1 mL add 0.2 mL of dilute sulfuric acid and 0.25 mL of 0.02 M potassium permanganate. The solution becomes colourless with evolution of gas.

b) To 0.05 mL add 2 mL of dilute sulfuric acid, 2 mL of ether and 0.05 mL of potassium chromate solution and shake. The ether layer is blue.

Acidity

: To 10 mL add 100 mL of distilled water and 0.25 mL of methyl red solution. Not less than 0.05 mL and not more than 0.5 mL of 0.1 M sodium hydroxide is required to change the colour of the indicator.

Organic stabilisers

: Not more than 500 ppm.
(The residue weighs a maximum of 10 mg.)

Non-volatile residue

: Not more than 20 mg (2g/L).
(The residue weighs a maximum of 20 mg.)

Assay

: It contains not less than 48.0%w/w and not more than 51.0%w/w of H_2O_2 .

เอกสารไม่ควบคุม
ใช้ในการจัดซื้อ

Prepared by :	Reviewed by :	Approved by :	Eff. Date
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Product Information

Approved source (s)	Refer to current version of Approved Supplier List of Hydrogen Peroxide Solution BP [50%w/w] (Item No. 41032100).
Sampling plan	P plan : For Identification. $\sqrt{N} + 1$ plan : For Other Tests.
Testing procedure	Tests to be performed as per current version of WI-AK30-H3.
Storage condition	Stored at a condition stated on the label from the manufacturer. Protected from light.
Retest period	1 year after first testing date.

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			25/10/16



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History of changes

Rev. No.	Description	Effective Date
02	อ้างอิงตาม BP2011 และ GPO Specification	19/08/11
03	ทบทวนเอกสารให้ทันสมัย โดยอ้างอิงตาม GPO Specification และ BP 2014 page I-1137 [Hydrogen Peroxide Solution (30%)]	25/10/16

เอกสารไม่ควบคุม

ใช้ในการจัดซื้อ

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