

# THE GOVERNMENT PHARMACEUTICAL ORGANIZATION

## RAW MATERIAL SPECIFICATION

Title : Carbopol 934 [Carbomer 934 USP/NF]

(Item No. 41020540)

Spec. No : SP-AK30-C58

Reference(s) : USP36/NF31 p.1924-1925

Rev. No : 04

Other Requirements : GPO Specification

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### USP36/NF31

Description : White, fluffy powder, having a slight, characteristic odor. Is hygroscopic.

pH : About 3. (use 1 in 100 dispersion)

Solubility : When neutralized with alkali hydroxides or with amines, it dissolves in water, in alcohol, and in glycerin.

Identification : A. To one portion of the Sample dispersion add thymol blue TS, an orange color is produced. To another portion of the Sample dispersion add cresol red TS, a yellow color is produced.  
[Sample dispersion: 10 mg/mL]  
B. Adjust the Sample dispersion with 1 N sodium hydroxide to a pH of 7.5, a very viscous gel is produced.  
[Sample dispersion: 10 mg/mL]

Heavy metals : Not more than 0.002%.

Limit of benzene : Not more than 0.5%.

Loss on drying : Not more than 2.0%, Dry a sample under vacuum at 80°C for 1 hour.

Assay : It contains not less than 56.0% and not more than 68.0% of carboxylic acid (-COOH) groups, calculated on the dried basis.

### GPO Specification

Viscosity : At 25°C; between 2,050 and 5,450 cps.  
(Use 0.2% neutralized solution, determined by means of Brookfield Viscometer RVF or RVL series, spindle no.6, for 1 minute, 20 rpm.)

Prepared by : S. Noppadech / 19/05/14 Head of Raw Material Standard Section 2	Reviewed by : C. Suwananaporn 20/05/14 Director of Raw Material Standard Division	Approved by : Prapamade 2. / 13/06/14 Director of Quality Assurance Department	Eff. Date 19/06/14
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<b>Title :</b> Carbopol 934 [Carbomer 934 USP/NF] (Item No. 41020540)	<b>Spec. No</b> : SP-AK30-C58
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## Product Information

Approved source (s)	Refer to current version of Approved Vendor List of Carbopol 934 [Carbomer 934 USP/NF] (Item No. 41020540).
Sampling plan	$1 + \sqrt{N}$ plan.
Testing procedure	Tests to be performed as per current version of WI-AK30-C58.
Storage condition	Preserve in well-closed containers.
Retest period	1 year after first testing date.

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