

# Dextran 5



**CAS Number:** 9004-54-0

**Manufacturing site:** pK Chemicals A/S, Hårlev Mark 2, 652 Hårlev, Denmark

**Dextran** is prepared by fermentation of sugar, harvest and purification followed by cracking and separation into the desired molecular weight. The molecular weight denotation of dextran is the molecular weight in Da divided by 1000. Dextran is a non-ionic polysaccharide, appearing as a white powder. Dextran is pH-neutral and highly water-soluble, up to 50w/v.

## Specification

Test/Characteristic	Limit	Test Method
<b>Appearance</b>	White to Off-white powder	Internal
<b>Mw</b>	4.500 - 5.500 Da	Internal
<b>Nitrogen</b>	Max. 0,011 (110 ppm)	Internal
<b>Loss on Drying</b>	≤ 7,0 %	Internal
<b>pH</b>	4,0 - 7,5	Internal
<b>Ethanol</b>	≤ 0,5 % (5000 ppm)	Internal
<b>Specific optical Rotation</b>	+183° - 193°	Internal
<b>Absorbance</b>	≤ 0,05 10 wt %	Internal