

Specification

Standard 5-HMF Aqueous Solution

Product name:	5-(hydroxymethyl)furfural (5-HMF)
Article Nr.	A888.088
CAS Nr.	67-47-0
HS Nr.	2932 190090

Main Characteristics	Method	Specification
Appearance	Visual	Clear; dark orange to light brown liquid
Concentration of 5-HMF	HPLC @ 280 nm	15 – 25% (wt/wt)
Density @ 20 °C	-	1.04 – 1.08 kg/dm ³
Organic purity of 5-HMF	Various	80 – 85% (wt/wt) ⁽¹⁾
pH	-	5.5 ± 0.5 ⁽²⁾

Notes:

(1) Organic purity is defined as the weight fraction of HMF relative to all organic compounds.

(2) At time of production. The pH of the solution may drift a bit down dependent on HMF storage conditions.

Side Product Profile

- Furanic monomers
- Carboxylic acids
- Sugars
- Other monomeric by-products
- Traces of HMF oligomers