

# Specification

## Standard 5-HMF Aqueous Solution

Valid from 12.2017

**Product name:** 5-(hydroxymethyl)furfural

Article Nr.	A888.088
CAS Nr.	67-47-0
HS Nr.	2932 190090

### Specification

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

### Side Products

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

**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.*