

**HMF-CRY-99****5-HMF crystals  $\geq$  99 %****IDENTIFICATION**

Chemical name	5-(hydroxymethyl)furfural
CAS-No.	67-47-0
HS-No.	2932 1900

**SPECIFICATIONS**

PROPERTY	VALUE	METHOD
Form (22 °C)	solid	visual
Appearance	off white to yellow substance	visual
Purity (area %)	$\geq$ 99.0	AVA internal method; HPLC @280nm
Transmission (0.1% in H <sub>2</sub> O, @430nm, %)	$\geq$ 95	AVA internal Vis method
Metling point (°C)	> 28	ANSI/ASTM D 3451-76 (Kofler-Heizbank)

**OTHER TYPICAL PROPERTIES**

Bulk Density (g/cm <sup>3</sup> )	approx. 0.6	ISO 60
Flash point (°C)	approx. 79	ISO 15267 (Pensky-Mertens)

**ADDITIVES**

No preservatives and antioxidants used.

**SHELF LIFE AND STORAGE CONDITIONS**

HMF-CRY-99 has a shelf life of 12 months from the date of manufacture when stored in original, unopened containers at 4-8°C under dry conditions. As with all industrial chemicals this material should be stored in a covered, secure location and never in direct sunlight. Storage temperatures above the recommended range can shorten shelf life or lead to product degradation.

**Disclaimer**

This information is the best of our current knowledge. Specifications are included in the Certificate of Analysis. Other typical properties are analyzed on an irregular basis and not part of the Certificate of Analysis.

The information on the technical datasheet provided herein is not binding to the product specification confirmed by AVA Biochem in a written Sales Agreement.

AVA Biochem expressly disclaims any responsibility for the suitability of the products for any specific or particular purposes intended by the user.

Safety information regarding the products is contained in the Safety Data Sheet. Suggestions for the use and application of the products and guide formulation are given for information purposes only and without commitment. They do not discharge AVA Biochem's customers from testing the products as to their suitability for the customer's intended processes and purposes. AVA Biochem does not assume any liability or risk involved in the use of its products as the conditions of use are beyond its control. The user of the products is solely responsible for compliance with all laws and regulations applying the use of the products, including the intellectual property rights of third parties. This document may be superseded by a later issue.

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