

Certificate of Analysis

Tween 20

Biotechnology Grade

Product No.: JS0254
Batch No.: JHN0204HJ9
CAS No.: 9005-64-5
Quality Release Date: 04/Dec/2023
Recommended Retest Date: 03/Dec/2026
Storage At: RT

TEST	SPECIFICATION	RESULT
Appearance	Pale yellow or yellow viscous oily liquid	Conforms
Odour	Slight peculiar odour	Conforms
Colour Lovibond (R/Y)	≤1.5R 10Y	1.0R 4.3Y
Solubility	Soluble in water, ethanol, methanol or ethyl acetate and slightly soluble in liquid paraffin.	Conforms
Water (w%)	≤3.0	2.3
Residue on Ignition (w%)	≤0.25	0.13
Relative density	1.09~1.12	1.10
Acid Value (mg KOH/g)	≤2.0	0.4
Saponification Value (mg KOH/g)	40~50	46.5
Hydroxyl Value (mg KOH/g)	96~108	103.2

Clara Chen, Manager

Quality Control

Hongkong, China

JSENB(HK) warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. For further inquiries, please contact Technical Service or authorized agent according to the batch bar number of the out-of-box list of the product department. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.