



CERTIFICATE OF ANALYSIS

TWEEN 20

Polyoxyethylene 20, Sorbitan monolaurate
Accord. Ph. Eur., BP.

Reference	CL1228.500	Production date	août-25
Batch N°	CM1228.D0825	Expiry date	juin-29
Grade	Lab Grade	Molecular formula	C58H114O26
CAS Number	9005-64-5	Molecular mass	1228 g/mol

Specifications	Unit	Standards	Results
Form	-	Yellow liquid	complies
Identity	-	Should comply	Complies
Saponification number	mg KOH/g	40 to 50	46
Impurity content	%	≤ 3	< 3
Solution test (10%, H2O)	-	Soluble	Soluble
Water content	%	≤ 3	1.9
Hydroxyl number	mg KOH/g	96 to 108	101
Acid value	mg KOH/g	≤ 2.2	< 2.2
Heavy metals (as Pb)	ppm	≤ 10	Pass
Viscosity @25°C	cps	300 to 500	370
Specific gravity	g/ml	1.06 to 1.2	1.1

Additional Information :

This product is conform to the above specifications

The document has been produced electronically and is valid without signature.

CLCM LABS
Quality Management

