

### Certificate Of Analysis

PRODUCT	LS 101 S	Date of Manufacture	2017. 2. 2	LOT. NO.	0170202
				Exp. Date	2018. 2. 28

TEST ITEM	UNI	STANDARD		RESULT
		LOWER	UPPER	
NON-VOLATILE(at 105℃/2hr)	%	13.00	15.00	13.6
VISCOSITY(at 25℃/1min,12rpm,#3)	cP	1,000	6,000	1,912
pH(at 25℃/1min)		6.0	8.0	6.2
APPEARANCE		MILKY WHITE		OK
COLLAPSE TIME (10 sec)	S	~ 20		5
COLLAPSE TIME (40 sec)	S	~ 30		10
COLLAPSE TIME (60 sec)	S	~ 45		18
COLLAPSE TIME (120 sec)	S	~ 60		29

**Test Method : Defoam performance testing (Wrist-Action Shaker):**

- This method gives a relative measure of defoaming performance.
- A measured amount of sample is added to a surfactant solution. The mixture is shaken and the time (in seconds) required for the foam to collapse is recorded.

BY : 이민희  
Quality Assurance Department