

## Certificate of Analysis

Date : 2022-03-22

Product	Kixx CVTF_BULK	Product Code	L2519L00K1	Batch No.	10300478
Date Produce	2022-03-16	Date Tested	2022-03-16	Remark	

Test Item	Unit	Test Method	Specification	Test Result	Remark
Color, ASTM	-	ASTM D1500	6.5,6.5,L7.0,L7.5,7.5	L7.5	
Density,@15°C	kg/L	ASTM D4052	To be reported	0.8466	
Viscosity,Kinematic,@40°C	mm <sup>2</sup> /s	ASTM D445	To be reported	36.64	
Viscosity,Kinematic,@100°C	mm <sup>2</sup> /s	ASTM D445	Min 7.0	7.560	
Viscosity Index	-	ASTM D2270	Min 150	181	
Foam Tend Seq II	mL	ASTM D892	Max 50	20	
Stab Seq II	mL	ASTM D892	Max 0	0	
Pour Point	°C	ASTM D97	Max -40	-48	
Phosphorous Content	mass %	ICP	0.04 ~ 0.06	0.0491	
Water	-	CRACLE	To be reported	Negative	
Foam Tend Seq I	mL	ASTM D892	Max 50	20	
Stab Seq I	mL	ASTM D892	Max 0	0	
Foam Tend Seq III	mL	ASTM D892	Max 50	10	
Stab Seq III	mL	ASTM D892	Max 0	0	
Viscosity,Brookfield,@-30°C	g/cm <sup>2</sup> /s	ASTM D2983	Max 5000	3154	
Viscosity,Brookfield,@-40°C	cP	ASTM D2983	Max 20000	9200	
Flash Point,COC	°C	ASTM D92	Min 175	214	
Copper Corrosion,3hr @150°C	-	ASTM D130	Max 1b	1b	
Rust-Preventing Char.	-	ASTM D665, Proc A	Pass	Pass	
Oxidation Stab.ISOT(@150°C,96hr)	-	JIS K2514			
Viscosity Ratio @40°C	-	JIS K2514	Max 1.2		
TAN Increase	mg KOH/g	JIS K2514	Max 2.0		
Lacquer Rate	-	JIS K2514	No Lacquer		
Fire Point	°C	KS M2010	Min 185	222	

The Product is manufactured in an ISO9001:2015 certified facility.  
 We guarantee the above test results conform with specifications.

최용호

Quality Assurance Section Chief