



# 시험성적서 CERTIFICATE

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- Client : Ongoong Co., Ltd
- Product name : Dr. LIBEAUTE HAND SANITIZER (Gel)
- Request date and number : May 07, 2020, No. 2020-03-004050
- Test results



Items	Results	Test Standards
State	Liquid at 20 °C	With reference to * KHMSCA
Flash Point (Closed Cup)	23 °C	KS M ISO 3679 : 2015 Rapid equilibrium method
Autoignition Temperature	No spontaneous combustion under 200 °C	ASTM E 659 : 15
pH	6.2 ~ 7.2    ※ Sample : H <sub>2</sub> O = 1 : 5(V/V)	With reference to KS I ISO 10390 : 2015
Relative Density	0.9 at 20 °C	KS M 0004 : 2017
Water Solubility	Insoluble at 20 °C	With reference to KHMSCA
Spontaneous Combustion Test	No spontaneous combustion at 20 °C	** UN TDG Test N.2
Water Contact Test	No water reaction hazard at 20 °C - Rate of gas emission : 0 L/kg·h	UN TDG Test N.5
Oxidizing Test	Burning time : > 300 s at 20 °C ※ Hazard Criteria : ≤ 135 s	With reference to UN TDG Test 0.1

\* KHMSCA : Korea Hazardous Materials Safety Control Act.

\*\* UN TDG : UN Recommendations on the Transport of Dangerous Goods - Tests and Criteria.

- Note : 1. These are the results tested with the sample provided by the above mentioned client.  
2. This certificate is not valid and can not be used for advertisement, administrative litigation, or lawsuit.

May 18, 2020

Technical Manager : Vincent Park.

