



한국 MSDS 시험원
Korea MSDS Testing Lab

시험성적서 CERTIFICATE

Test Report No. 2017-03-002613

☒ original

☐ reissued

#12, Iwon-ro, Ihdong-myeon, Cheoin-gu, Yongin-city, Gyeonggi-do, Korea / +82-31-337-3701 / www.msdskorea.com

1. Client : 3S KOREA Co., Ltd
2. Product name : WSO oxygen antibacterial powder A
3. Request date and number : January 24, 2017, No. 2017-03-002613
4. Test results



Items	Results	Test Standards
State	Solid at 20 °C	With reference to * KHMSCA
Flash Point (Closed Cup)	No flash occurred under 93 °C	KS M ISO 3679 : 2013 Rapid equilibrium method
Autoignition Temperature	No spontaneous combustion under 200 °C	ASTM E 659 : 15
pH	5.5 ~ 6.5 * Sample : H ₂ O = 1 : 5(V/V)	With reference to KS I ISO 10390 : 2015
Density (Apparent)	0.7 at 20 °C	KS M 0602 : 2015
Water Solubility	Insoluble at 20 °C	With reference to KHMSCA
Burning Time/Rate Test	No combustion sustained at 20 °C * Hazard Criteria : > 2.2 mm/s	** UN TDG Test N.1
Spontaneous Combustion Test	No spontaneous combustion at 20 °C	UN TDG Test N.2
Oxidizing Test	Burning time : > 300 s at 20 °C * Hazard Criteria : ≤ 135 s	UN TDG Test O.1
Pressure Vessel Test	No self-reaction hazard - No rupture of the 0.6 MPa disc of the vessel * orifice range = (0.6 ~ 9.0) mm	UN TDG Test E.3

* 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.

February 01, 2017

Technical Manager : Vincent Park.



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