

HEAD OFFICE

TEL: +82-2-850-2000, FAX: +82-2-838-8434
ADDRESS: 7, GONGWON-RO, GURO-GU, SEOUL, KOREA

ULSAN PLANT

TEL: +82-52-259-8400, FAX: +82-52-273-1216
ADDRESS: 81, SANGGAE-RO, NAM-GU, ULSAN, KOREA

JEONJU PLANT

TEL: +82-63-260-0300, FAX: +82-63-260-0801
ADDRESS: 283, WANJUSANDAN 6-RO, BONGDONG-EUP,
WANJU-GUN, JEOLLABUK-DO, KOREA

CERTIFICATE OF ANALYSIS

Product : 정제글리세린 2nd drum 250(새한실리캠)
Lot No.: 200602_F4F1551
Issued No. : 2020-06-0211
Issued date : 2020.06.02

Test Item	Unit	Spec.	Result	Method
성상	-	Clear	무색투명	USP 30
냄새	-	Odorless	없음	BO6-GL14
글리세린 함량	wt %	min 99.5	99.7	USP 30
염화물 함량	ppm	max 10	PASS	USP 30
황화물 함량	ppm	max 20	PASS	USP 30
중금속(Pb)	ppm	max 5	PASS	USP 30
회분	wt %	max 0.01	0.01 미만	USP 30
염소화합물	ppm	max 30	PASS	USP 30
지방산 및 에스테르	0.5N-NaOH mℓ	max 1	0.58	USP 30
DEG & EG impurity	individual, %	max 0.1	PASS	USP 30
DEG & EG impurity	total, %	max 1.0	PASS	USP 30
환원성 물질	-	Clear	CLEAR	KSM2708
비중	(25/25°C), g/mℓ	min 1.260	1.261	USP 30
수분	wt %	max 0.5	0.07	USP 30
색상	(APHA)	max 10	2	USP 30
굴절율	(n _D 15/D)	min 1.473	1.475	BO6-PD03
열안정성	(APHA)	max 10	4	BO6-GL16

----- End Of Item -----

CERTIFY THE ABOVE STATEMENT OF QUALITY TO BE TRUE AND CORRECT

W. H. Kim 
Technology & Research Team Leader