

KUMHO P&B CHEMICALS

ANALYSIS CERTIFICATE

CUSTOMER :
COMMODITY : BISPHENOL-A
CERTIFICATE No. : B12112002
LOT NO. : 3K1921
QUANTITY : 30 M/T

TEST ITEM	UNIT	SPEC.	RESULTS	TEST METHOD
Water	wt. %	Max 0.1	0.03	ASTM D1364
Color	APHA	Max 5	5	ASTM 4789
Molten Color	APHA	Max 20	10	KPB-QC2-519
Phenol	mg/kg	Max 100	18	KPB-QC2-520
o.p-BPA	mg/kg	Max 1000	140	KPB-QC2-520
BPX	mg/kg	Max 400	20	KPB-QC2-520
BPA Purity	wt. %	Min 99.85	99.95	KPB-QC2-520
Ash	mg/kg	Max 5	0	ASTM D482
Iron	mg/kg	Max 0.1	0.03	ASTM E394
Freez. Point	°C	Min 156.5	156.7	ASTM D4493

I CERTIFY THAT THE ABOVE STATEMENTS ARE TRUE AND CORRECT.

DATE : Nov.20.2012

SIGNATURE : _____

Wi, Kanghyeon

K. H. Wi

Manager of Quality Management Team

SEOUL OFFICE : 21F Kumho Astana Main Tower #76, Saemunan-ro, Jongno-Gu, Seoul, 110-857, Korea.
TEL : (02)6961-3453, FAX: (02)6961-3492

PLANT(1) : #319, Hwachi-Dong, Yeosu-City, Chollanam-Do, TEL : (061)688-3670, FAX : (061) 688-3505
PLANT(2) : #144-14, Wolha-Dong, Yeosu-City, Chollanam-Do, TEL : (061)688-3870, FAX : (061) 688-3705