

\*\*\*\*\* NINGBO TIDE IMP.&EXP.CO.,LTD. \*\*\*\*\*

7/F, Tower South, Anno Domini Building, 8 Qiu Shi Road, Hangzhou (310013), China.

Tel: +86-571-89936453 Fax: +86-571-89937770 Email: zgx@tide-china.com

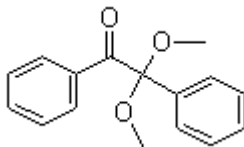
## Certificate of Analysis

BDK

Lot NO.:110421

Quantity: 2400g

Test Date: 2011.04.22

Molecular Structure		
CAS Registry NO.	24650-42-8	
Chemical Name	Benzil Dimethyl Ketal	
Molecular Formula	C <sub>16</sub> H <sub>16</sub> O <sub>3</sub>	
Molecular Weight	256.30	
Items	Specification	Results
Assay(G/C)	99.5%min	99.99
Melting Rang	64.5-67.0(°C)	65.2-66.5
Water Content	0.5%max	0.058
Loss On Drying	0.5%max	0.076
Residue on ionition	0.10%max	0.04
Transmittance (10% Toluene solon)		
95.0%min(425nm)	96.0%min(450nm)	98.0%min(500nm)
97.7	98.5	99.3

QC Manager:

Checker:

Analyzer:

**Packing: 20kg/carton box**

**Usage: Highly efficient photoinitiator for UV curable systems.**