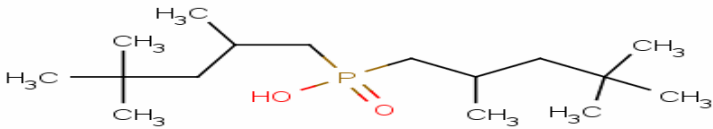




HANGZHOU DINGYAN CHEM CO., LTD  
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Email:sales@dingyanchem.com

## CERTIFICATE OF ANALYSIS

NO: DYC081501261

Product name	Bis(2,4,4-trimethylpentyl)phosphinic acid
CAS Number	83411-71-6
Molecule Structure	
Molecule Formula	C <sub>16</sub> H <sub>35</sub> O <sub>2</sub> P
Batch number	20140828
Manufacture Date	2014-08-28
Testing date	2014-08-28

Items	Standard	Result
Appearance	Colorless to light yellow viscos liquid, with fruity odor	Slight yellow liquid with fruity odor
Assay	90%min	90.26%
Density,at 20°C	0.91~0.95g/ml	0.93g/ml
Viscosity,at 20°C	200mPa.S max	166mPa.S
Total P	10.4% min	10.51%
Water	3.0% max	1.11%

Hangzhou Dingyan Chem Co., Ltd.  
Quality Control  
QUALITY CONTROL: *Park* CHECK: 姚仙娟 INSPECTOR: 刘清风