



XINJIANG TIANYE FOREIGN TRADE CO., LTD

NO. 36, EAST OF NORTH 3 ROAD, ECONOMIC AND TECHNICAL
DEVELOPMENT ZONE, SHIHEZI, XINJIANG, CHINA 832000
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CERTIFICATE OF QUALITY

Name Of Commodity: 1,4-Butanediol (BDO) Specification: ≥ 99.5%			
Molecular Formula: C₄H₁₀O₂			
CAS Registry Number: 110-63-4 EINECS: 203-786-5 H S CODE: 29053980			
Manufacturer: XINJIANG TIANYE (GROUP) CO., LTD			
Standard: COMPLYS WITH STANDARD OF GB /T24768-2009			
Package and Storage: Plastic cask or drum made of aluminum, stainless steel or galvanized iron and also in the tank car according to the provisions of transporting poisonous and harmful goods. BDO can be stored indefinitely if package hermetically and don't touch the thermal energy. Under the nature condition the BDO is nonexplosible, combustible but can't spontaneously combust.			
Testing Items	High-Class	Qualified Product	Testing Results (%)
1,4-Butanedi (BDO) w/% Min ≥	99.7	99.5	99.7
Chrominance / Hazen unit (Pt-Co color number) Max ≤	10	10	10
Water, W / % Max ≤	0.03	0.05	0.03
Carbonyl, Unit mgKOH/g Max ≤	0.1	0.1	0.1
Notes:			
Form: Colorless oily liquid, Combustible, Miscible with water, soluble in methyl alcohol, ethanol or acetone, sparingly soluble in diethyl ether Hygroscopic, bitter in taste.			
The Freezing Temperature : 20.1°C			
The melting Temperature: 20.2°C			
The Boiling Temperature : 228°C			
The relative Density: 1.0171 (20/4°C)			
The opening flash Point: 121°C			
The ignition point: 370°C			
The refractive index: 1.446			
USE: BDO used as important raw materials for producing engineering plastics polybutylene terephthalate (PBT), tetrahydrofuran, γ-butyrolactone, polyurethane leather, Thermoplastic Polyurethane and polyurethane			
LOTS NO.: 20130205 Date: FEB. 05, 2013			
Examiner: WEILEI			

新疆天业对外贸易有限责任公司
XINJIANG TIANYE FOREIGN TRADE CO., LTD.

Sunny Peng