

上海启朗实业有限公司

SHANGHAI QILANG INDUSTRIAL CO., LTD

**COA of  
DY88 Copper Extractant**

Item	DY88
Appearance	Brown oil liquid
Density (25°C)	0.91-0.93
Flash temperature	≥62°C (PMCC)
Solubility of copper-carried organic (25°C)	≥30 g/L Cu
Copper saturation capacity 10% (V/V)	4.8-5.1 g/L Cu
Extraction kinetics	≥90% (60s)
Extraction isothermal point (Organic)	≥3.8 g/L Cu
Extraction isothermal point (Aqueous)	≤2.2 g/L Cu
Phase Stripping time of extraction	≤70s
Stripping kinetics	≥96% (30s)
Stripping isothermal point (Organic)	≤0.6 g/L Cu
Stripping isothermal point (Aqueous)	≥33.2 g/L Cu
Stripping Phase time	≤80s
Copper Net Transfer	3.2 g/L Cu
Cu/Fe selectivity	≥2000

For and on behalf of  
Shanghai Qilang Industrial Co., Ltd  
上海启朗实业有限公司

  
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Authorized Signature(s)