



**CERTIFICATE OF ANALYSIS 4**

TO: ARK CO.,LTD  
3-10-3,NISHITENMA,KITA-KU,  
OSAKA,JAPAN 530-0047  
TEL +81-6-6809-5970  
FAX +81-6-6809-5975

INVOICE NO.: 03432544  
DATE: November 28, 2023

CONTRACT NO.: SOHHBC2311155  
ORDER NO.: AS-12160  
PACKING: 195KGS/DRUM,200KG/DRUM, 215KGS/DRUM  
LOT NO.: 231103  
TEST DATE: 2023.11.3  
STANDARD NO.: Q/320116 HBLCAHX 02-2016  
DESCRIPTION OF GOODS: DIISOPROPANOLAMINE 85%  
MANUFACTURER: NANJING HBL ALKYLOL AMINES CO., LTD.  
DATE OF MANUFACTURE: 2023.11.3  
DATE OF EXPIRY: 2025.11.2

**PROPERTY**

ITEMS	MARK	TEST RESULT
LOT NO.		231103
APPEARANCE:	COLOURLESS TO LIGHT YELLOW LIQUID	Colourless clear liquid
DIISOPROPANOLAMINE, WT%:	≥85.0	85.2
MONOISOPROPANOLAMINE, WT%:	(MIPA+TIPA)≤1.0	0.2
TRIISOPROPANOLAMINE,WT%:	(MIPA+TIPA)≤1.0	0.1
WATER, WT%:	≤15.0	14.5

**RESULT:**

**CHECK OUT**

NANJING HBL ALKYLOL AMINES CO., LTD.