

MOBILE AMINE PURIFICATION UNIT

EVALUATION FORM

To: WORLD IMAGE s.r.l.

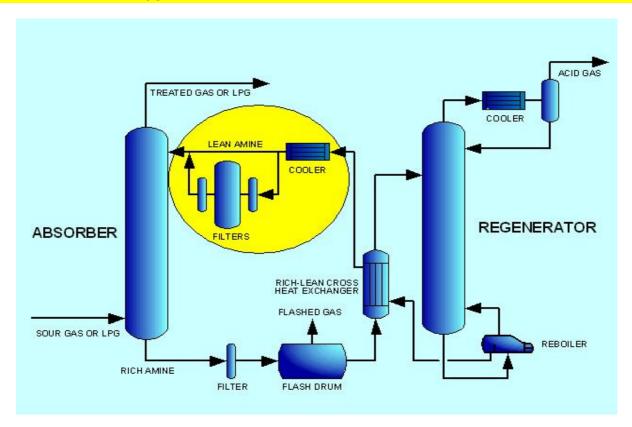
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CUSTOMER INFO	DRMATION:
From :	
Company :	
Company : Contact Name :	
Location :	
Phone :	
E-mail:	
-	Fax:

GENERAL PLANT LAY- OUT:



HOW TO USE THIS DOCUMENT:

This document can be filled in electronically at the appropriate fields. If wished, the document may first be printed and then filled in by hand and then faxed.



Feed Stream and Equipment Details

LEAN AMINE MECHANICAL AND CARBO	ON FILTERS DATA:	
MECHANICAL FILTER BEFORE CARBO	N BED:	
Туре :	Nominal size of filtration	micron
AMINE FLOW RATE IN THE FILTERm3	Number of cartridges	
CARBON BED: VESSEL D	IMENSIONS:	
Diameter: mm	Heig	ht:ma Total carbon volume:m3
Supplier and type of carbon used: Amin	e flow rate through the carbon:	m3/h
MECHANICAL FILTER AFTER CARBON	BED:	
Type :	Nominal size of filtration (micron):	
GENERAL BACKGROUND:		
Type of current solvent	Amine flow rate of the unit:	m3/h
Total solution inventory:	m3 Concentration:	Wt%
COMMENTS / REQUESTS:		
PLEASE PROVIDE AVAILABLE ANALYSES OR FILL	IN THE DATA ON PAGE 4 (SOLVENT ANA	ALYSES REPORT).

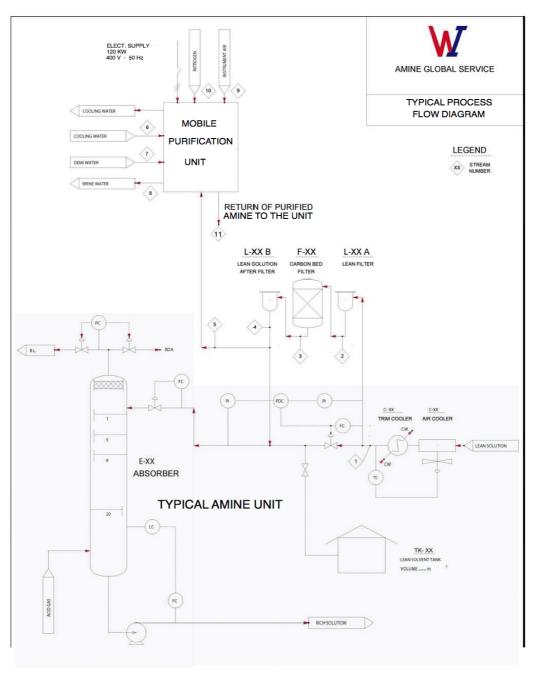


SOLV	LN.	T ANALYSIS REPORT
Location		Sample Date
Plant or Unit name		Received
Sample Number		Completed
Sample Properties		
Amine Product		Sample Source
Sample Opacity		Sample Color
Solids, ppm		Sample pH
Acid Gas Loading		
CO ₂ Weight Percent		CO ₂ Loading mole/mole
H ₂ S Weight Percent		H ₂ S Loading mole/mole
Amine concentration		
Alkalinity Titration		wt%
Gas Chromatograph		wt%
Solvent Factor		wt%
Heat Stable Salts :		
Heat Stable Amine S	alts	wt%
Inorganic Heat Stab		
Total Amine And Ino	rganic	Heat Stable Salts wt%
HSAS Neutralized		wt%
Metal By ICP		
Chromium (Cr)	ppm	Sodium (Na) ppm
Copper (Cu)	ppm	Nickel (Ni) ppm
Iron (Fe)	ppm	Calcium (Ca) ppm
Potassium (K)	ppm	Magnesium ppm
on Chromatography		
Acetate,	ppm	Formate, ppm
Chloride	ppm	Sulfate, ppm
Oxalate,	ppm	Phosphate, ppm
Thiosulfate,	ppm	Thiocyanate, ppm
Glycolate,	ppm	Am m o n i a, mg/l
Foaming Characteristics		
As Received	F	Foam Height, cc
	E	Break Time, sec
Comments:		
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NOTE: If analytical results are not available we can perform the analysis on your samples. Request to us a safety sample kit to ship samples to WORLD IMAGE SRL



### FEED STREAM AND UTILITIES REQUIRED



STREAM NUMBER			5	6	7	8	9	10	11
FLUID			LEAN AMINE	COOLING WATER	DEMI WATER	BRINE	INSTR. AIR	NITROGEN	CLEAN AMINE
NORMAL FLOW m3/h			3.5-6	5.0	0.2-1.3	0.2-1.3		300 liter/h	3.5-6
SUPPLY PRESSURE bar			5-27	4-10	3-10	5.0	4.2-7.0	1.4-6.9	5.0
OPERATING TEMPERATURE °C			35-50	35	15-41	30-50	10-35	10-35	40

### **CONFIDENTIAL**