

Drilling Mud Emulsifier

Revision No. :

04

Revision Date:

2020.01.20

Customer / Client Name:	SAVA ENERGY	Page No.	Page 1 of 1
Address :	--	Certificate Issue Date :	2024.08.12
Tel/Fax No. :	9374656460	Request No. :	03RQ0103
Sample Description :	DME	Certificate No. :	03AD0157
Sample Delivery Date :	2024.08.04	Customer Sampling Code (B/N):	SE-DME-2024933
Sampling Date :	--	Customer Sampling Code (STK):	--
Sampling By :	Customer	Registered Sample Code:	--
Shipment Qty:	Lab Sample	Expire Date:	--

Laboratory Test Result

Laboratory Test Date	2024.08.10	Laboratory Temp	27.6 °C	Laboratory Humidity	26 %
Rolling situation		Temp	180 °F	Time	4 hrs

Test Description	Reference	Standard	Result	±U
Appearance	ASTM D4176	-	Homogeneous Mixture	
pH	ASTM E70	-	6.00	

According to NISOC Procedure Method

Composition	Unit	Sample Code	Mud 1	Mud 2	Mud 3
Oil/Water Ratio	%	-	60/40	60/40	70/30
S.W	mL	-	140	140	105
D.M.E	mL	SE-DME-2024933	3.5	3.5	3.5
Gasoil	mL	-	210	210	245
CMC.HV	gr	C45H5	-	0.5	-

Parameters	Mud1		Mud2		Mud 3	
--	Req	Result	Req	Result	Req	Result
Emulsion Stability before hotroll	Stable	Stable	Stable	Stable	Stable	Stable
Apparent Viscosity after 24 hrs - cP	59	31.5	183	69	164	52
Yield Point After 24 hrs- lb/100ft2	11	17	46	59	74	32
Gel 10s/Gel 10Min After 24 hrs-lb/100ft2	2/3	1/2	6/7	3/5	22/24	7/11
Emulsion Stability after 4hrs Rolling at 180°F	Stable	Stable	Stable	Stable	Stable	Stable
Final Volume- mL	500	450	400	410	410	400
pH of Mud	7	8.43	7	8.55	7	8.53

Prepared By
Laboratory Expert

Approved By
Laboratory Technical Manager

Confirmed By
D. Manager

Signature
Date 2024.08.12

Signature
Date: 2024.08.12

Signature
Date: 2024.08.12


- Laboratory test result is only applicable to the received sample.
- Laboratory test result which has been issued from central laboratory is based on API13A and according to ISO/IEC17025:2017.
- This Report shall not be reproduced except in full without the written approval from Pars Drilling Fluids Laboratory
- Material Sample will be kept for 1 month from the date submitted to the company.

Address: No.43, 3th Souri St., After bridge's Niayesh,
Ashrafi esfahani Highway ,Tehran, Iran
Tel: +98 21 44849770 - 6 Fax: +98 21 44849789
Email: lab@parsdrill.com
Website: www.parsdrill.com