



# DEVA DRILL TECH (I) LIMITED

Manufacturers of Specialty Chemicals for the Oil & Gas Industry

An ISO 9001:2015 Certified



OFFICE : Suite No. 101, Satnam Sagar, Golden Crest CHS., Plot No. 193, 7th & 11th Cross Road, Khar (West), Mumbai - 400 052. INDIA  
Tel.: (91-22) 26461942/26495691 ★ Fax : (9122) 2648 17 83 ★ e-mail: devadrill.office@gmail.com ★ Web : www.devadrill.com

<b>Manufacturer</b>	<b>DEVA DRILL TECH (I) LIMITED</b>
<b>Manufacturing Address</b>	<b>C-2, MIDC, MAHAD, RAIGAD, MAHARSHTRA – 402308</b>

## SPECIFICATION FOR OIL FIELD CHEMICALS

<b>CHEMICAL NAME</b>	<b>HYDROXY ETHYL CELLULOSE</b>
<b>BRAND NAME</b>	<b>DEVASOL - 300</b>
<b>SPECIFICATION No.</b>	<b>DEVA/HEC</b>

**MAX MRP**

**: Rs. 600 per kg**

1.	Physical state	The material shall be in the form of a free flowing powder, free from visible impurities
2.	Dispersibility of 0.7% (w/v) sample in freshly boiled and cooled Distilled water in 45 minutes at 24±2°C	Highly dispersible
3.	Moisture content of sample at 105±2°C, percent by mass	10.0 (Maximum)
4.	Residue Content on dry Basis, percent by mass	0.5 (Maximum)
5.	Insoluble matter (on dry basis), in 15% (w/w) HCL, percent by mass	0.3 (Maximum)
6.	Viscosity (511 sec <sup>-1</sup> Shear rate) of 0.7 % (w/v) sample in 3% (w/v) KCL solution after dispersion for 45 minutes at 24±2°C, cp	50 (Minimum)
7.	Viscosity (511 sec <sup>-1</sup> Shear rate) of 0.7 % (w/v) sample in 3% (w/v) KCL solution after aging for 48 hrs at 40±2°C, cp	45 (Minimum)
8.	Viscosity (511 sec <sup>-1</sup> Shear rate) of 0.7 % (w/v) sample in 3% (w/v) KCL solution after aging for 2 hrs at 90±2°C, cp	20 (Minimum)
9.	Viscosity (511 sec <sup>-1</sup> Shear rate) of 0.7 % (w/v) sample in 3% (w/v) KCL solution after aging for 2 hrs at 90±2°C by treating with 0.40% (v/v) of 15%(w/w) HCL, cp	5 (Maximum)
10.	Flow behavior index (n') (1022/511 Sec <sup>-1</sup> shear Rate) after dispersion for 45 minutes at 24±2°C	0.5 (Maximum)



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11.	Flow behavior index (n') (1022/511 Sec <sup>-1</sup> shear Rate) after aging for 48 hrs at 40±2°C	0.51 (Maximum)
12.	Flow behavior index (n') (1022/511 Sec <sup>-1</sup> shear Rate) after aging for 2 hrs at 90±2°C	0.55 (Maximum)
13.	Flow behavior index (n') (1022/511 Sec <sup>-1</sup> shear Rate) after aging for 2 hrs at 90±2°C by treating with 0.40% (v/v) of 15% (w/w) HCL.	0.99 – 1.00



Abhishek Kumar  
QA/QC INCHARGE

Prepared By



Santosh T. Deshmukh  
PLANT MANAGER

Approved By