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KAILTECH

Test & Research Centre Pvt. Ltd.

LRNO. KTRC/1809000303, Page 1 of 3
KTRC/QF/0510/02

TEST REPORT

Name and Address of Customer MIXXON RETROCHEMICALS PVT. LTD. AIE Industrial Park, Pedagantyada, Vizag – 44 - AP Contact Person Name: -	Laboratory Reference Number (LRN)	: KTRC/1809000303
	Date of Receipt	: 03.09.2018
	Condition, When Received	: Satisfactory
	Packing, When Received	: Sealed
	Quantity Received (Approx.)	: 10 Ltr.
	Date of Start of Test	: 04.09.2018
Sample Identification: Bitumen Emulsion	Date of Completion of Test	: 12.09.2018
	Date of Reporting	: 17.09.2018
Customer Reference :- Letter		
Sample Particulars : Bitumen Emulsion		

PART A. PARTICULARS OF SAMPLE SUBMITTED

A	Nature of sample	Bitumen Emulsion for Roads (Cationic type)-Specification as per IS 8887: 2017
B	Grade/Variety/Type /Class Size Etc.	Grade – RS-1
C	Brand name if any	Mixxon Bitumen Emulsion
D	Declared values, if any	NM
E	Code no.	NM
F	Batch no. & Date of manufacture	Batch No. – E0005211, D.O.M – 21.06.2018
G	Quantity	Approx. 10 Ltr.
H	Mode of packing	Packed in plastic bottle
I	Date of receipt	03.09.2018
J	BIS Seal	NM
K	IO' Signature :	NM
L	Any other information	NM

PART B. SUPPLEMENTARY INFORMATIONS

A	Reference to sampling procedure, wherever applicable	NA
B	Supporting documents for the measurement taken and results derived like graphs as appropriate to test report, if any [to be attached]	NA
C	Deviation from the test method as prescribed in relevant ISS/work instructions, if any	None


(Er. Ruby S. Malhotra)
Quality Manager
Authorised Signatory



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CIN-U73100MP2006PTC019006

Terms of Service :

1. Sample(s) not drawn by us, unless specified. 2. The results listed in the Test Report are for the submitted samples and tested parameters only. 3. This Report is issued only after customer's acceptance of our terms and conditions. 4. Sample is likely to be consumed and/or destructed during testing. 5. Sample will be disposed after one month from the date of issue of Test Report, unless otherwise specified and accepted by us. 6. This Report cannot be reproduced and/or cannot be used in part or full in any media, unless permitted by us in writing. 7. Liability of our Laboratory is limited to the invoiced amount only. 8. All disputes subject to jurisdiction of the courts of Indore (India) only.



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PART C. TEST RESULTS

S. No	PARAMETER	TEST CI. AS PER IS 8887:2017	UNIT	RESULTS	TEST METHOD	PERMISSIBLE VALUE					CONFORMITY
						RS-1	RS-2	MS	SS-1	SS-2	
1.	General Requirements	Cl. 6.1	-	-	IS 8887:2017	-					-
a	At present			Satisfactory		Shall be homogeneous and shall show no un-dispersed bitumen after thorough mixing.					Yes
b	After 1 year from the date of manufacturing			*		Shall be homogeneous and shall show no un-dispersed bitumen after thorough mixing.					-
2	Residue on 600 Micron IS Sieve	Cl. 4.2 & 6.2 Table 1	% By Mass	0.02	Annex. B	Max. 0.05	Max. 0.05	Max. 0.05	Max. 0.05	Max. 0.05	Yes
3	Viscosity by Say bolt Furol Viscometer	Cl. 4.2 & 6.2 Table 1	Seconds	-	IS 3117:2004	-	-	-	-	-	-
	At 25°C			-		-	-	20-100	30-150	-	
	At 50°C			22		20-100	100-300	50-300	-	-	Yes
4	Coagulation Of Emulsion At Low Temperature*	Cl. 4.2 & 6.2 Table 1	-	Nil	Annex. C	Nil	Nil	Nil	Nil	Nil	Yes
5	Storage Stability After 24 hour	Cl. 4.2 & 6.2 Table 1	%	1.2	Annex. D	Max. 2	Max. 1	Max. 1	Max. 2	Max. 2	Yes
6	Particle Charge	Cl. 4.2 & 6.2 Table 1	-	Positive	Annex. E	Positive	Positive	Positive	-	Positive	Yes
7	Coating Ability And Water Resistance	Table 1	-	NA	Annex. F	-	-	-	-	-	-
a	Coating, Dry Aggregate			NA		-	-	Good	-	-	-
b	Coating, After Spraying			NA		-	-	Fair	-	-	-
c	Coating, Wet Aggregate			NA		-	-	Fair	-	-	-
d	Coating, After Spraying			NA		-	-	Fair	-	-	-

Ruby S. Malhotra
(Er. Ruby S. Malhotra)
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S. No	PARAMETER	TEST CL. AS PER IS 8887:2017	UNIT	RESULTS	TEST METHOD	PERMISSIBLE VALUE					CONFORMITY
						RS-1	RS-2	MS	SS-1	SS-2	
8	Stability To Mixing With Cement	Cl. 4.2 & 6.2 Table 1	% Coagulation	NA	Annex. G	-	-	-	-	Max. 2	-
9	Miscibility With Water		-	No Coagulation	Annex. H	No Coagulation	No Coagulation	No Coagulation	Immiscible	No Coagulation	Yes
10	Test on Residue		-	-	-	-	-	-	-	-	-
a	Residue By Evaporation,		%	63.0	Annex. J	Min. 60	Min.67	Min. 65	-	Min. 60	Yes
b	Penetration 25°C		100g/ 5Sec.	104	IS 1203:1978	80-150	80-150	60-150	-	60-120	Yes
c	Ductility 27°C		cm	76.6	IS 1208:1978	Min. 50	Min. 50	Min. 50	-	Min. 50	Yes
d	Solubility in Trichloroethylene		% By Mass	99.5	IS 1216:1978	Min. 98	Min. 98	Min. 98	Min. 98 [#]	Min. 98	Yes
11	Distillation Volume of distillate recovered at 360°C		% By Volume	NA	-	-	-	-	-	-	-
	190°C			NA	-	-	-	-	20-55	-	-
	225°C			NA	-	-	-	-	30-75	-	-
	260°C			NA	-	-	-	-	40-90	-	-
	316°C			NA	-	-	-	-	60-100	-	-
	Residue at 360°C	%		NA	-	-	-	-	Min. 50	-	-
12	Water Content	% By Mass	NA	-	-	-	-	Max. 20	-	-	

*This requirement shall be applicable only under situation where the ambient temperature is below 15°C

[#] The value of solubility is determined on distilled residue at 360° C

PART D. REMARKS

- Based on tests conducted, sample submitted conforms to IS 8887:2017.
- *Test under process, as DOM is 21.06.2018, the report shall be submitted before 30.06.2019.
- Abbreviation:
 - NA - Not Applicable


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