

## **PROPPANT TEST REPORT**

Produc	ct	Low Density Proppant I Packing 1.5 MT/Ba		ſ/Bag	Test	Date	2012/11/18		
Contract No.		***	Package		1 Bag		Order Quantity		***
Specifica	Specification 20/40		Ра	tch No.	GDGC-L-120831-1 Produ		Producti	on Date	2012/8/31
Test Standard:			SY/T 5108-2006 (CNPC Test S				tandard)		
Item No.	Item No. Test Items			Requirement				Test Result	
1				16	Mesh	1180 μm		***	
				18Mesh		1000 μm		***	
				20Mesh		850 μm		***	
				25Mesh		710 μm		***	
				30Mesh		600 μm		***	
	Particle Distribution (%)			35Mesh		500 μm		***	
				40Mesh		425 μm		***	
				45Mesh		355 μm		***	
				50Mesh		300 µm		***	
				60Mesh		250 μm		***	
				70Mesh		212 μm		***	
							30 μm		***
				100Mesh		150 μm		***	
				PAN				***	
				Total				***	
2	Average Partice Size, μm			***				***	
3		Cphericity	>0.8				0.86		
4		Circlarity			>0.80			0.88	
5		Turbidity, FTU	<100				44.8		
6		Solubility in Acid (%)		<8				6.25	
7		Bulk Density (g/cm3)		***			1.62		
8		Apperaent Density (g/cm3)						2.98	
9	Crushing Rate (%)			52 (Mpa)				4.03	
				69 (Mpa)				***	
				86 (Mpa) 100 (Mpa)				***	
		Remarks	100 (Mpa)						
Tostod					Hu X	'inli	1	ind By	Zhao lun
Tested By		Zhao Ruping	INC	oted By	Hu X		Approv	leu by	Zhao Jun

## **IMPORTANT NOTE**

- 1) THE TEST REPORT IS BASED ON PROPPANT PRODUCTS CERTAIN UNDER PATCH NO. IT IS FOR REFERENCE PURPOSE.
- 2) DUE TO DIFFERENCE ON MACHINES IN DIFFERENT LABS, THERE WILL BE ACCEPTABLE TOLERANCE OF TEST RESULT.
- 3) TEST REPORT WILL BE RESERVED AND EXIPRES TILL TESTED SAMPLES DISPOSED & ABANDONED
- 4) TEST REPORT MUST BE PRESENTED ACCORDING TO DIFFERENT PATCH NO. & SALES CONTRACT NO.



## **PROPPANT TEST REPORT**

Product		Medium Density Proppant I	P	acking	1.5 MT/Bag		Test Date		2012/11/18	
Contract No.		***	Package		1 Bag		Order Quantity		***	
Specification		20/40	Ра	tch No.	GDGC-M-120917-2 Produc		Producti	on Date	2012/9/17	
Test Standard:			SY/T 5108-2006 (CNPC Test S				tandard)			
Item No.	Item No. Test Items			Requirement				Test Result		
1				16	Mesh	1180 μm		***		
				18Mesh		1000 μm		***		
				20Mesh		850 μm		***		
				25Mesh		710 μm		***		
				30Mesh		600 μm		***		
			35Mesh		500 μm		***			
	Particle Distribution (%)			40Mesh		425 μm		***		
				45Mesh		355 μm		***		
				50Mesh		300 µm		***		
				60Mesh		250 μm		***		
				70Mesh		212 μm		***		
				80Mesh		180 μm		***		
				100Mesh		150 μm		***		
					PAN				***	
				Total				***		
2	Average Partice Size, μm			***				***		
3		Cphericity			>0.8				0.9	
4		Circlarity				).80		0.9		
5		Turbidity, FTU				00		46.7		
6		Solubility in Acid (%)		<8			6.2			
7		Bulk Density (g/cm3)						1.8		
8	Apperaent Density (g/cm3)			***				3.22		
9	Crushing Rate (%)			52 (Mpa)				***		
				69 (Mpa)				4.69		
				86 (Mpa)				***		
		Demonster	100 (Mpa)				* * *			
Tootad	Remarks			ated Dv	11	(ipli		und Du	71	
Tested By		Zhao Ruping	INC	oted By	Hu X	CINII	Approv	/ей Ву	Zhao Jun	

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