



Texan Shale Chemicals



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Dephenolized Cresylic Acid

Typical Results (Results are average of 150 railcars loaded July 2008-July 2009)

Parameter	Units	Typical Result
Phenol	Wt %	0.4
Ortho Cresol	Wt %	20.3
2,6-Xylenol	Wt %	0.8
Meta-Cresol	Wt %	32.8
Para-Cresol	Wt %	20.2
Ortho-Ethylphenol	Wt %	1.7
2,4+2,5-Xylenol	Wt %	6.9
2,3-Xylenol	Wt %	1.1
3,5-Xylenol	Wt %	2.1
Para-Ethylphenol	Wt %	3
Meta-Ethylphenol	Wt %	2.9
3,4-Xylenol	Wt %	0.6
Subtotal C7 & C8 Phenolics	Wt %	92.4
C9 Phenolics	Wt %	0.9

impurities		
Water	Wt %	0.04
Guaiacol	Wt %	3.3
Dihydric Phenols	Wt %	0.06
Neutral Oils	Wt %	1.2
Tarbases	Wt %	< 0.005
Total Sulfur Compounds	Wt %	0.04
Others (Includes pitch, methyl substituted guaiacols, C10 Phenolics, Non-Catechol Dihydroxy phenols, Unidentified Nitrogen Compounds)	Wt %	1
Total	Wt %	99.34
GCV	BTU/lb	14770
Specific Gravity		1.0155