



Dephenolized Cresylic Acid

A product of Dakota Gasification Company

Typical Results (updated May 2008. Results are average of 165 railcars loaded Jan 1, 2007 to May 7, 2008)

<u>Parameter</u>	<u>Units</u>	<u>Typical Result</u>
Phenol	Wt %	0.42
Ortho Cresol	Wt %	19.1
2,6-Xylenol	Wt %	0.7
Meta-Cresol	Wt %	31.0
Para-Cresol	Wt %	21.5
Ortho-Ethylphenol	Wt %	1.7
2,4 + 2,5-Xylenol	Wt %	6.6
2,3-Xylenol	Wt %	1.1
3,5-Xylenol	Wt %	2.4
Para-Ethylphenol	Wt %	3.3
Meta-Ethylphenol	Wt %	2.9
3,4-Xylenol	Wt %	1.0
<i>Subtotal C7 & C8 Phenolics</i>	Wt %	91.9
C9 Phenolics	Wt %	1.1
Total Net Cresylic Acid Constituents	Wt %	94.1

Impurities		
Water	Wt %	0.06
Guaiacol	Wt %	3.7
Dihydric Phenols	Wt %	0.20
Neutral Oils	Wt %	0.8
Tarbases	Wt %	<0.005
Total Sulfur Compounds	Wt %	0.03
Others (includes pitch, methyl substituted guaiacols, C10 phenolics, non-catechol dihydroxy phenols, and unidentified nitrogen compounds)	Wt %	1



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