



THE DOW CHEMICAL COMPANY  
SALES SPECIFICATION

Date Printed: 2016-10-12

Effective Date: 03/16/2015

Supersedes Date: 03/09/2012

Name: C5 Dienes Crude

Specification Number: 000000013496

Previous Specified Material: 00013496

Final Testing Requirements

Test and Test Condition	Limit	Unit	Method	Note
Sp Gr @ 60/60degF	0.730 Max		ASTM D4052	1
Isoprene	15 Min	WT%	UOP 725	
Pentadienes	11 Min	WT%	UOP 725	
Cyclopentadiene	14 Max	WT%	UOP 725	2
CPD + DCPD	25 Max	WT%	UOP 725	3
C4 & Lighter HC	1.0 Max	WT%	UOP 725	4
Benzene in C5 Dienes	1.5 Max	WT%	UOP 725	5
Benzene + Toluene	2.0 Max	WT%	UOP 725	
Sulfur, Total	50 Max	ppm wt	ASTM D3120	
Water	0.05 Max	WT%	ASTM D1744	
Vapor Pressure, Reid	13 Max	psi	ASTM D6378	
Dist Ran, IBP	60 Max	°C	ASTM D86	

Final Testing Requirements Notes:

1 Sp Gr = Specific Gravity

2 Cyclopentadiene

For Shell, the maximum cyclopentadiene is 15.0 wt%.

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**Final Testing Requirements Notes:**

- 3 CPD + DCPD = Cyclopentadiene + Dicyclopentadiene
- 4 C4 & Lighter HC  
HC = Hydrocarbons  
For Shell, the maximum C4 and lighter limit is 4 wt%.
- 5 Benzene in C5 Dienes  
This parameter is the benzene content, expressed as a percent of the C5 fraction.

**External Notes**

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- 1 On request, a Certificate of Analyses will be sent to the receiving location.

READ PRECAUTIONARY INFORMATION AND MATERIAL SAFETY SHEETS. THIS PRODUCT IS SHIPPED IN COMPLIANCE WITH APPLICABLE LAWS AND REGULATIONS REGARDING CLASSIFICATION, PACKAGING, SHIPPING AND LABELING.