

RAW MATERIAL SPECIFICATIONVinyl Chloride MonomerPropertySpecification
Min. Max.Test Method

I. Monsanto VCM

A. Chemical/Physical Testing

1. Acidity as HCl, wt. ppm	1.0	435-70-7A
2. Appearance	Clear & Colorless	Visual in glass bomb
3. High Boiling Impurities, wt.ppm	Free of suspended matter	
4. Iron, wt. ppm	500	112-70-8
5. Inhibitor (Phenol), wt. ppm	0.5	112-70-3A
6. Peroxides, wt. ppm	0.1	112-70-10
7. Water, wt. ppm	None Detected	112-70-9
*8. Dilatometer Polyrates, %/hour	No Free Water**	Visual
	5.8 7.0 Individual	508-70-14
	6.6 90%	
9. Acetaldehyde, wt. ppm	5	508-70-5A
10. Acetylene, wt. ppm	2	112-70-2A
11. Sulfur Dioxide, wt. ppm	5	112-70-6A

*B. GLPC Testing

1. Styrene Oxide	} mol ppm	1 - tentative	to be determined
Phenyl Acetaldehyde			
2. Ethane	} mol ppm	10	
Ethylene			
3. 1,3 Butadiene	} mol ppm	10	
Monovinyl Acetylene			
Diacetylene			
4. Methyl Acetylene	} mol ppm	55	
Allene			
Butene-1			
5. 2 Chloropropene	} mol ppm	10	
Trans 1,2 Dichloroethene			
1,1 Dichloroethene			

CBY 1110427

RSV0031956

RAW MATERIAL SPECIFICATION (Cont'd)

<u>Property</u>	<u>Specification</u>		<u>Test Method</u>
	<u>Min.</u>	<u>Max.</u>	
6. Methyl Chloride	mol ppm	75	
7. Ethyl Chloride	mol ppm	10	
8. Propane i-Butane n-Butane	} mol ppm	to be determined	

II. Other Suppliers

A. Chemical/Physical Testing

Same as Monsanto VCM except:

8. Polyrate

Equivalent to Monsanto VCM

B. CLPC Testing

1. Butadiene	mol ppm	5
2. Methyl Chloride	mol ppm	75
3. Total-other impurities	mol ppm	25

* Confidential tests, not to be divulged to outside suppliers.

** Review by 11/1/63 to determine spec in ppm.

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