



## DMSO EL-10 Grade Specification

<u>Test</u>	<u>Reference</u>	<u>Gaylord Chemical Company, LLC Specification</u>
Assay, % minimum by GC-FID	Gaylord WI-QA-016	<b>99.9</b>
Water, % maximum by KF	ACS	<b>0.05</b>
Color, (APHA) maximum	ASTM D-1209	<b>10</b>
Titration Acid, mL 0.01N NaOH maximum / 50.0 g sample	ACS	<b>5.0</b>
Specific Gravity, g/ml minimum	ASTM D-1298	<b>1.09</b>
Residue, % maximum	ACS	<b>0.01</b>

Metals, ppb maximum by ICP-OES (Gaylord WI-QA-064)			
Aluminum	<b>10</b>	Nickel	<b>10</b>
Calcium	<b>10</b>	Potassium	<b>10</b>
Chromium	<b>10</b>	Silicon	<b>10</b>
Copper	<b>10</b>	Sodium	<b>10</b>
Gold	<b>10</b>	Zinc	<b>10</b>
Iron	<b>10</b>		

<u>Approved by:</u>	<u>Title</u>	<u>Signature / Date</u>
Paul Dennis	President / CEO	<i>Paul Dennis</i> March 8 2017
Marc Smith	VP Manufacturing	<i>Marc Smith</i> 3/8/2017
Mary Posey	Quality Assurance	<i>Mary M. Posey</i> 3-8-17

**Contact Information:**  
**Gaylord Chemical Company, L. L. C.**  
 1880 Fairlawn Road, Tuscaloosa, AL 35401  
 Phone: 205-561-5041  
 Fax: 205-342-0677 E-mail [mposey@gaylordchem.com](mailto:mposey@gaylordchem.com)

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