ExxonMobil Chemical

ALCOHOLS

Sales Specification
Rev. 3 (09/2008)

EXXAL® 13 Tridecyl Alcohol

Properties	Test Methods		Sales Specifications
Acidity, as acetic acid, wt%	BRCP 4581	Calculated**	0.003 max
Acid Value, mg KOH/g	Calculated**	ASTM D 1045 *	0.03 max
Carbonyl Number, mg KOH/g	BRCP 4588	ASTM E 411	0.20 max
Color, Platinum Cobalt	BRCP 4273	ASTM D 5386	10 max
Composition, wt%, Alcohols			
Lights, wt%	BRCP 4596	ROP 104	0.50 max
C9 + C10, wt%	BRCP 4596	ROP 104	2.0 max
C14 $^{+}$, wt%	BRCP 4596	ROP 104	10.0 max
Hydroxyl Number, mg KOH/g	BRCP 4586a	ISO 1843-5	275 - 295
Purity, wt% Alcohol	BRCP 5287	BRCP 5287	98.5 min
Specific Gravity @ 20/20°C	BRCP 4843	Calculated**	0.844 - 0.849
Density @ 20°C, g/cm^3	Calculated**	ASTM D 4052 *	0.843 - 0.847
Water Content, wt%	BRCP 5053	ISO 12937	0.10 max
CAS Registry Number - 68526-86-3			
EINECS Number - 2712356			

BRCP test methods are internal test methods used by the manufacturing plant and are based on modified ASTM methods. Copies of BRCP methods or modified test methods are available upon request.

ASTM, ISO and ROP test methods are used for certification of product in Europe. Reported decimal places may differ from what is specified in industry standard test method.

* Modified. Value may be determined by ExxonMobil procedures equivalent to industry standard test methods.

** Properties with Test method shown as Calculated are determined from another specification parameter

The test methods specified above, or their equivalent, will be used in conjunction with ASTM D 3244, "Standard Practices for Utilization of Test Data to Determine Conformance with Specifications."

ExxonMobil's sampling and testing procedures in effect at the time of production will be used for certification testing. Results may be based on tank certification, manufacturing data, periodic testing and/or most recent product restock. ExxonMobil reserves the right to use other equivalent test methods in certifying this product.