

Certificate Of Analysis

CUSTOMER: Brenntag Pacific

PRODUCT: 93% SULFURIC ACID BRENTAG PACIFIC

PLANT: WILMINGTON PART NUMBER: _____

LOT NUMBER: MPS-331233

SAMPLE TAKEN FROM: _____ LOADING LINE: _____ TANK NUMBER: F302

TRUCK RAIL CAR _____ NUMBER _____ B/L 7343

SAMPLE DATE/TIME: 1/2/2012 05:00:00 AM

	<u>ANALYSIS</u>		<u>LIMIT</u>	
H2SO4	94.1	%	93.2	% MIN
Specific Gravity	1.8385		1.8354	MIN
Iron Content	2.5	ppmw	50	ppmw MAX
SO2 Content	17.7	ppmw	40	ppmw MAX
Clarity	Clear		Clear, non-fuming, and free from sediment.	
Chloride	ND <10.0*	ppmw	10.0	ppmw MAX
Sodium	ND <0.20*	ppmw	No Specification	

* Annual Certificate of Analysis - 02/07/11

TECHNICIAN [Signature] DATE 01-02-12

APPROVAL [Signature] DATE 1/6/12

Product properties listed above are in accordance with
 * Federal Specification 0-S-801F March 22, 2001 For Class 1 Electrolytic Grade Sulfuric Acid For Batteries
 * Federal Specification A-A-55828, February 6, 1997 (Supersedes: 0-S-809E) For Type 1, Classes 1 and 2 Technical Grade Sulfuric Acid

ConocoPhillips
 LOS ANGELES REFINERY



IMPORTANT: All information provided is believed to be accurate and complete. The data provided is representative of the product quality on the date of analysis for the lot number indicated. This certificate of analysis may not include all of the constituents of the product. Persons using this information should make their own determination regarding its suitability for their particular application. This certificate of analysis shall not in any way limit or preclude the operation and effect of the applicable terms and conditions of sale.