

Pre-Approved Product Evaluation Request & Summary

Product Evaluation Coordinator
Colorado Department of Transportation 4670 North Holly Street
Denver, Colorado 80216

APL Reference No.

5822-25

Material Code

702.02.05.00

Material Code description full name

Emulsion CQS-1hP

Part 1

Product Name:

CQS-1hP [2025]

Product category:

Asphalt Emulsion\CQS-1hP

Product Representative / Distributer (name & address):

Thomas Ludlum

Manufacturer (name & address):

Samuel Castro

HF Sinclair Refining & Marketing LLC

4949 Edith Boulevard NE

Albuquerque, NM 87107

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4949 Edith Boulevard NE

Albuquerque, NM 87107

Phone: (623) 385-3666 E-mail: thomas.ludlum@hfsinclair.co

Website address

Phone: (623) 385-3654 E-mail: samuel.castrobrockman@hfsinclair.co

Website address

Description of the product: (Include specific quantifiable details from the tech data sheet. Advertising generalities are not appropriate.)

Cationic asphalt emulsion produced at a terminal facility.

Restrictions, (installation and/or use):

Use of the product, and Benefit to CDOT (be specific to CDOT highway activities only):

Primarily microsurfacing use but can also be used in slurry and fog seal applications.

Specifications: (listing those applicable is required.)

☒ CDOT CDOT Standard Specifications, Section 702, Table 702-4

☒ AASHTO

☐ ASTM

☐ Other

☐ Other

☐ Certificate of Compliance

☐ Certificate of Verification

Product Testing: (National/independent laboratories or universities with Report Date.) A certified Test Report (CTR) is provided to validate all claims.

☐ AASHTO PEAS (NTPEP)

☐ ASTM

☒ Other CDOT Bituminous Laboratory will be testing submitted sample

☒ Other COA/COC and SDS to be provided with sample tested and submitted by HF Sinclair terminal laboratory

☐ Other

State DOT Approvals:

Expiration Date < 2 Years

02/01/2028

Sample Submitted ☐ Yes ☒ No ☐ N/A

Safety Data Sheets (SDS): ☐ Yes ☒ No ☐ N/A

Alternate Product Category

CDOT Restrictions as per CDOT Approving Authority

May be used on CDOT Projects requiring CQS-1hP.

Evaluators Signature:

Vincent Battista Digitally signed by Vincent Battista
Date: 2025.04.15 08:49:37 -06'00'