

COLORADO DEPARTMENT OF TRANSPORTATION
PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No.

4936-19

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

Material code:
702.02.05.01
 Material code description full name:
Emulsion, CQS-1hP

PART 1

Product name: CQS-1hP [2019]	Product category: Asphalt\ Emulsion\CQS-1hP
Product Representative (name & address): Attn: Angelica Alvarado HollyFrontier Asphalt Comapany 4949 Edith Blvd NE Albuquerque NM 87107 Phone: (505) 344-3526 E-mail: angelica.alvarado@hollyfrontier.com	Manufacturer (name & address): Attn: Angelica Alvarado HollyFrontier Asphalt Comapany 4949 Edith Blvd NE Albuquerque NM 8710 Phone: (505) 344-3526 E-mail: angelica.alvarado@hollyfrontier.com
Web-site address: www.hollyfrontier.com	Web-site address: www.hollyfrontier.com

Description of the product: (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)
Cationic Quick Setting Asphalt Emulsion for slurry seals and micro-surfacing conforms to the requirements listed in Table 702-4 CDOT Standard Specifications. The modified emulsion contains a minimum of 3 percent polymer by weight.

Restrictions, (installation and/or use):

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

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value than other manufacturer's products):
Used in the Slurry Seals and Micro-surfacing applications

Specifications: (listing those applicable is required)
 CDOT : **table 702-4**
 ASTM :
 AASHTO:
 FHWA :
 other :

Certificate of Compliance (COC) provided Certificate of Verification (COV) provided for select categories ONLY

Product Testing: (National/independent laboratories or universities with Report Date.) **Certified Test Report (CTR)** provided to validate all claims.
 NTPEP-AASHTO:
 FHWA :
 other :
 other :
 other :

State DOT Approvals, (current documentation required): Expiration Date **02-01-2020**

Sample submitted: yes no n/a Safety Data Sheets (SDS): yes no n/a

Alternate Product Category:
 Additional Comments:
Holly Frontier Quality Control Manual was submitted to CDOT and approved 09-19-2019.