



## CERTIFICATE OF ANALYSIS

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### 1. Identification

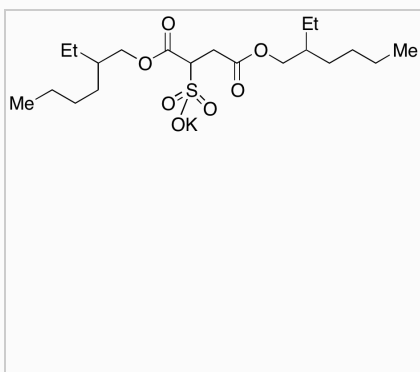
**Catalogue Number:** D494655

**CAS Number:** 7491-09-0

**Product:** Docusate Potassium

**Synonym:** Sulfobutanedioic Acid 1,4-Bis(2-ethylhexyl) Ester Potassium Salt; Sulfosuccinic Acid 1,4-Bis(2-ethylhexyl) Ester Potassium Salt; Bis(2-ethylhexyl) Potassium Sulfosuccinate; Bis-2-ethylhexyl-2-sulfobutane-1,4-dioate Potassium Salt; Dioctyl Potassium Sulfosuccinate; Docusate Potassium; Potassium Bis(2-ethylhexyl) Sulfosuccinate; Potassium di(2-Ethylhexyl) Sulfosuccinate; Potassium Dioctyl Sulfosuccinate; Rectalad Enema

**Structure:**



**Molecular Formula:**

$C_{20}H_{37}KO_7S$

**Molecular weight:**

460.67

**Source of Product:**

Synthetic

**Solubility:**

Chloroform (Sparingly),  
Methanol (Slightly)

**Lot Number:** 10-RFS-46-1

**Purity:** 95%

**Shipping Condition:** This Product Is Stable To Be  
Shipped At Room Temperature

**Storage Condition:** -20°C

### 2. Warning

**Warning 1:**

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

| Tests:             | Specifications:                        | Results:                          |
|--------------------|----------------------------------------|-----------------------------------|
| Appearance         | White to Off-White Waxy Solid to Solid | White to Off-White Solid          |
| NMR                | Conforms to Structure                  | Conforms                          |
| Elemental Analysis | Conforms                               | %C: 50.31, %H: 8.03               |
| HPLC Purity        | Report Result                          | 99.85% (ELSD)                     |
| MS                 | Conforms to Structure                  | Conforms                          |
| Water Content      | Report Result                          | ~3.5% based on Elemental Analysis |

**Additional Information:** N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of  $\pm 2\%$ . Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

### 4. Signatures

| Reviewed By                                                                       | Reviewed By                                                                       | C of A Approved By                                                                | Test Date | Retest Date |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------|-------------|
| Nicole Yip                                                                        | Toni Rantanen                                                                     | Chanell Chu                                                                       | 4/18/2022 | 4/16/2026   |
|  |  |  |           |             |