

## Hopanes and steranes in 2,2,4-trimethylpentane

|                 |  |
|-----------------|--|
| Art. ID         | NIST-2266  |
| Unit            | 5 x 1,2 mL   |
| Deliverydetails | ADR Excepted Quantity (EQ) / AIR Excepted Quantity (EQ) UN1262 II E2 |

### Description

This Standard Reference Material (SRM®) is a solution of five hopanes and five steranes in 2,2,4-trimethylpentane (isooctane). This SRM is intended primarily for use in the calibration of chromatographic instrumentation used for the determination of hopanes and steranes. A unit of NIST-2266 consists of five 2 mL ampoules, each containing approximately 1.2 mL of solution. /// Sample value(s) - please ask for current certificate.

| Text/Information | Analyte/Parameter                             | CAS number   | Concentration/Value | Unit  | Method | Source |
|------------------|---|--------------|---------------------|-------|--------|--------|
|                  | 17alpha(H)-22,29,30-tris<br>norhopane         | [53584-59-1] | 4,55 ± 0,23         | µg/g  |        |        |
|                  | 17alpha(H),21beta(H)-30<br>-norhopane         | [53584-60-4] | 1,31 ± 0,04         | µg/g  |        |        |
|                  | 17alpha(H),21beta(H)-ho<br>pane               | [13849-96-2] | 1,70 ± 0,12         | µg/g  |        |        |
|                  | alpha,alpha,alpha-20R-c<br>holestane          | [481-21-0]   | 33,1 ± 1,0          | µg/g  |        |        |
|                  | alpha,beta,beta-20R-cho<br>lestane            | [69483-47-2] | 10,61 ± 0,24        | µg/g  |        |        |
|                  | alpha,beta,beta-20R 24S-<br>methylcholestane  | [71117-90-3] | 2,32 ± 0,10         | µg/g  |        |        |
|                  | alpha,alpha,alpha-20R 2<br>4R-ethylcholestane | [62446-14-4] | 8,58 ± 0,32         | µg/g  |        |        |
|                  | 17alpha(H)-22,29,30-tris<br>norhopane         | [53584-59-1] | 3,14 ± 0,16         | µg/mL |        |        |
|                  | 17alpha(H),21beta(H)-30<br>-norhopane         | [53584-60-4] | 0,90 ± 0,02         | µg/mL |        |        |
|                  | 17alpha(H),21beta(H)-ho<br>pane               | [13849-96-2] | 1,17 ± 0,08         | µg/mL |        |        |
|                  | alpha,alpha,alpha-20R-c<br>holestane          | [481-21-0]   | 22,8 ± 0,7          | µg/mL |        |        |
|                  | alpha,beta,beta-20R-cho<br>lestane            | [69483-47-2] | 7,32 ± 0,17         | µg/mL |        |        |
|                  | alpha,beta,beta-20R 24S-<br>methylcholestane  | [71117-90-3] | 1,60 ± 0,07         | µg/mL |        |        |
|                  | alpha,alpha,alpha-20R 2                       | [62446-14-4] | 5,92 ± 0,22         | µg/mL |        |        |

4R-ethylcholestane