

Ringtest(DGF)

Olive Oil - Determination of TMP,Acidity, DiffReal, Diglycerides(ppm) (7/2005)

| Sample | Code | Parameter/Method) | P | p | n | m | sr | Cvr | r | sR | CVR | R |
|--------|---------------|-------------------|----|----|----|---------|---------|---------|----------|----------|----------|----------|
| 1 | A1, A4,B1,B5 | Acidity | 20 | 14 | 28 | 0,29 | 0,016 | 5,50 | 0,045 | 0,029 | 10,10 | 0,082 |
| 2 | A2,A5,B2,B8 | Acidity | 20 | 18 | 36 | 0,38 | 0,016 | 4,10 | 0,044 | 0,043 | 11,30 | 0,121 |
| 3 | A3,A8,B3,B4 | Acidity | 20 | 16 | 32 | 0,32 | 0,012 | 3,80 | 0,035 | 0,040 | 12,30 | 0,112 |
| 4 | A6,A9,B6,B7 | Acidity | 20 | 17 | 34 | 0,38 | 0,014 | 3,80 | 0,040 | 0,048 | 12,80 | 0,134 |
| 5 | A7,A10,B9,B10 | Acidity | 19 | 14 | 28 | 0,49 | 0,016 | 3,30 | 0,045 | 0,067 | 13,60 | 0,188 |
| 1 | A1, A4,B1,B5 | TMP | 20 | 16 | 32 | 178,69 | 68,428 | 38,30 | 191,598 | 402,035 | 225,00 | 1125,699 |
| 2 | A2,A5,B2,B8 | TMP | 18 | 16 | 32 | 220,54 | 88,562 | 40,20 | 247,975 | 365,018 | 165,50 | 1022,050 |
| 3 | A3,A8,B3,B4 | TMP | 20 | 17 | 34 | 31,64 | 15,913 | 50,30 | 44,557 | 237,161 | 749,50 | 664,051 |
| 4 | A6,A9,B6,B7 | TMP | 20 | 18 | 36 | -5,32 | 37,75 | -709,70 | 105,644 | 227,101 | -4271,50 | 635,881 |
| 5 | A7,A10,B9,B10 | TMP | 16 | 14 | 28 | 7,47 | 46,447 | 621,60 | 130,052 | 605,410 | 8102,20 | 1695,148 |
| 1 | A1, A4,B1,B5 | DiffReal | 20 | 18 | 36 | 0,16 | 0,133 | 82,50 | 0,372 | 0,306 | 190,50 | 0,857 |
| 2 | A2,A5,B2,B8 | DiffReal | 20 | 18 | 36 | 0,31 | 0,158 | 50,90 | 0,442 | 0,430 | 138,60 | 1,204 |
| 3 | A3,A8,B3,B4 | DiffReal | 20 | 19 | 38 | -0,10 | 0,07 | -68,90 | 0,196 | 0,580 | -571,80 | 1,625 |
| 4 | A6,A9,B6,B7 | DiffReal | 20 | 19 | 38 | -0,17 | 0,056 | -32,30 | 0,158 | 0,627 | -358,70 | 1,756 |
| 5 | A7,A10,B9,B10 | DiffReal | 19 | 16 | 32 | 0,01 | 0,054 | 548,90 | 0,152 | 0,868 | 8766,90 | 2,432 |
| 1 | A1, A4,B1,B5 | 1,3DG ppm | 18 | 16 | 32 | 8240,00 | 655,776 | 8,00 | 1836,173 | 1920,485 | 23,30 | 5377,357 |
| 2 | A2,A5,B2,B8 | 1,3DG ppm | 20 | 17 | 34 | 9659,21 | 541,224 | 5,60 | 1515,427 | 2445,544 | 25,30 | 6847,522 |
| 3 | A3,A8,B3,B4 | 1,3DG ppm | 20 | 17 | 34 | 3974,79 | 286,383 | 7,20 | 801,871 | 979,820 | 24,70 | 2743,496 |
| 4 | A6,A9,B6,B7 | 1,3DG ppm | 20 | 20 | 40 | 4323,36 | 248,56 | 5,70 | 695,969 | 1745,689 | 40,40 | 4887,929 |
| 5 | A7,A10,B9,B10 | 1,3DG ppm | 19 | 19 | 38 | 4935,84 | 289,607 | 5,90 | 810,901 | 2411,642 | 48,90 | 6752,599 |

Note

Number of participating laboratories (P)

Number of laboratories retained after eliminating outliers (p)

Number of test results in all labs (n)

Mean (m)

Repeatability standard deviation (s_r)Coefficient of Variation of Repeatability(CV_r)

Repeatability limit (r)

Reproducibility standard deviation (s_R)Coefficient of Variation of Reproducibility(CV_R)

Reproducibility limit (R)