

EUROPEES LABORATORIUM  
VOOR NUTRIENTEN  
EUROPEAN LABORATORY  
OF NUTRIENTS

Regulierenring 9, 3981 LA Bunnik  
Postbus 10, 3980 CA Bunnik  
The Netherlands

Tel.: 31-(0)30-2871492  
Fax: 31-(0)30-2802688

HEALTH DIAGNOSTICS AND  
RESEARCH INSTITUTE

Vitamin Diagnostics, Inc.  
540 Bordentown Ave.  
Suite 2300  
South Amboy, NJ 08879  
Tel: 732-721-1234  
Fax: 732-525-3288

Analysis report

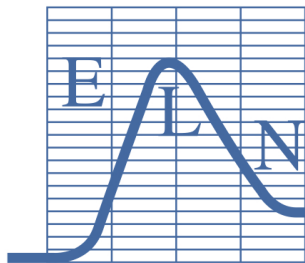
Page 1  
Date of print: 2/11/2021 05:21 PM

Name : john Doe  
D.o.b. : 02/06/1984  
Pat. No. : 105377  
Institute : World Health Laboratory B.V.  
Depart. :  
First name :  
Sex : Male  
Applicant : E.F. Vogelaar (eng)



Applicant : Vogelaar  
Appoint. date : 2/11/21  
Appoint. time : 05:12 PM  
Appoint. No. : 258987

|                                          |       | Unit | Ref. Range     |
|------------------------------------------|-------|------|----------------|
| <b>VITAMINS</b>                          |       |      |                |
| Vitamin A (as retinol)*                  | 0.59  | mg/l | 0.63 - 1.15    |
| Vitamin B1 (Thiamine)                    | 29.0  | µg/L |                |
| Vitamin B1 (TMP)                         | 5.3   | µg/L |                |
| Vitamin B1 (TPP)                         | 15.0  | µg/L |                |
| Total vitamin B1 (as TPP)                | 68.0  | µg/L | 50.0 - 100.0   |
| Riboflavin, FAD (B2)                     | 255   | µg/L | 300 - 700      |
| Vitamin B3 (Niacinamide)                 | 3.7   | mg/l |                |
| Vitamin B3 (Nicotinic Acid)              | 0.1   | mg/l |                |
| Vitamin B3 (NAD)                         | 149.8 | mg/l |                |
| Total vitamin B3 (as N-amide)            | 30.8  | mg/l | 4.3 - 7.4      |
| Vitamin B5 (Pantothenic acid)            | 823   | µg/L | 592 - 1842     |
| Vitamin B6 act.(P-5-P)                   | 20.0  | µg/l | 21.0 - 125.0   |
| Pyridoxal (B6)                           | 15    | µg/L |                |
| Pyridoxine (B6)                          | <1    | µg/L |                |
| Vitamin B6 (Pyridoxic acid (PA))         | <1    | µg/L |                |
| Vitamin B7 (biotin)                      | 700   | ng/l | 300 - 3000     |
| Folic Acid (B9/B11) (Immunological)      | 10.6  | µg/l | 16.3 - 42.7    |
| Vitamin B12                              | 514   | ng/l | 540 - 2702     |
| Vitamin C                                | <0.5  | mg%  | 0.90 - 2.10    |
| Vitamin D (as 25-hydroxycholecalciferol) | 25.6  | µg/l | 32.8 - 86.8    |
| Vitamin E (as alpha tocopherol)*         | 25.0  | mg/l | 12.5 - 37.4    |
| Beta Tocopherol*                         | 0.6   | mg/l | 0.1 - 0.8      |
| Gamma Tocopherol*                        | 0.72  | mg/l | 0.71 - 4.21    |
| Delta Tocopherol*                        | 0.06  | mg/l | 0.04 - 0.32    |
| Total tocopherol*                        | 26.3  | mg/l | 13.9 - 42.4    |
| Alpha tocotrienol*                       | 8.23  | µg/L | 12.80 - 222.40 |
| Beta Tocotrienol*                        | 2.3   | µg/L | 4.1 - 115.0    |
| Gamma Tocotrienol*                       | 8.4   | µg/L | 12.3 - 151.9   |
| Delta Tocotrienol*                       | 12.5  | µg/L | 8.0 - 175.0    |
| Total tocotrienol*                       | 31.4  | µg/L | 37.2 - 664.3   |
| Vitamin K1*                              | 779   | ng/l | 400 - 1200     |
| Vitamin K2 (MK-7)*                       | 0.1   | µg/L | 1.5 - 11.4     |
| Coenzyme Q10*                            | 0.9   | mg/l | 0.6 - 1.2      |
| Free carnitin                            | 7.6   | mg/l | 7.0 - 17.0     |
| Acyl carnitin                            | 1.1   | mg/l | 0.9 - 2.3      |



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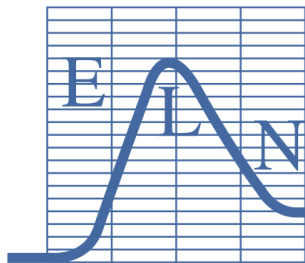
Unit Ref. Range

VITAMINS (continued from page 1)

|                                          |       |        |              |
|------------------------------------------|-------|--------|--------------|
| Total carnitin                           | 8.7   | mg/l   | 7.9 - 19.3   |
| VITAMINS (MOL/L)                         |       |        |              |
| Vitamin A (as retinol)*                  | 2.06  | μmol/L | 2.20 - 4.00  |
| ANTI-OXIDANTS PROFILE                    |       |        |              |
| Luteine*                                 | 0.24  | μmol/L | 0.38 - 1.33  |
| Zeaxanthin*                              | 0.09  | μmol/L | 0.08 - 0.27  |
| Luteine+Zeaxanthine*                     | 0.33  | μmol/L | 0.46 - 1.59  |
| Beta-cryptoxanthin*                      | 0.15  | μmol/L | 0.11 - 0.71  |
| Alpha-caroten*                           | 0.14  | μmol/L | 0.13 - 0.86  |
| β-carotene*                              | 0.44  | μmol/L | 0.60 - 2.60  |
| Beta-lycopene*                           | 0.09  | μmol/L | 0.11 - 0.54  |
| Alpha-lycopene*                          | 0.11  | μmol/L | 0.12 - 0.57  |
| Lycopenes*                               | 0.20  | μmol/L | 0.54 - 1.15  |
| Vitamin B1 (Thiamine)                    | 109   | nmol/l |              |
| Vitamin B1 (TMP)                         | 15    | nmol/l |              |
| Vitamin B1 (TPP)                         | 35    | nmol/l |              |
| Total vitamin B1 (as TPP)                | 160   | nmol/l | 118 - 235    |
| Riboflavin (B2, FAD)                     | 678   | nmol/l | 797 - 1860   |
| Vitamin B3 (Niacinamide)                 | 30    | μmol/L |              |
| Vitamin B3 (Nicotinic Acid)              | 0.8   | μmol/L |              |
| Vitamin B3 (NAD)                         | 225.8 | μmol/L |              |
| Total vitamin B3 (as N-amide)            | 252   | μmol/L | 35 - 60      |
| Vitamin B5 (Pantothenic acid)            | 3.8   | μmol/L | 2.7 - 8.4    |
| Vitamin B6 act.(P-5-P)                   | 81    | nmol/l | 85 - 505     |
| Pyridoxal (B6)                           | 90.3  | nmol/l |              |
| Pyridoxine (B6)                          | 0     | nmol/l |              |
| Vitamine B6 (Pyridoxic acid (PA))        | <5    | nmol/l |              |
| PA ratio B6                              | 0.00  | ratio  | <= 0.40      |
| Biotin (B7)                              | 2865  | pmol/l | 1227 - 12279 |
| Folic Acid (B9/B11) (Immunological)      | 24.0  | nmol/l | 37.0 - 97.0  |
| Vitamin B12                              | 380   | pmol/l | 400 - 2000   |
| Vitamin C                                | <28.4 | μmol/L | 50 - 120     |
| Vitamin D (as 25-hydroxycholecalciferol) | 64.0  | nmol/l | 82.0 - 217.0 |
| Vitamin E (as alpha tocopherol)*         | 58.1  | μmol/L | 29.5 - 87.4  |
| Beta Tocopherol*                         | 1.3   | μmol/L | 0.2 - 2.0    |

= Outside reference range |  = Extreme | \* = for research only

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VITAMINS (MOL/L) (continued from page 2)

|                           |       |        |                 |
|---------------------------|-------|--------|-----------------|
| Gamma Tocopherol*         | 1.73  | μmol/L | 1.65 - 10.14    |
| Delta Tocopherol*         | 0.15  | μmol/L | 0.05 - 0.84     |
| Total tocopherol*         | 63.2  | μmol/L | 32.1 - 99.9     |
| Alpha tocotrienol*        | 19.26 | nmol/l | 29.90 - 520.00  |
| Beta Tocotrienol*         | 5.60  | nmol/l | 9.90 - 280.00   |
| Gamma Tocotrienol*        | 20.46 | nmol/l | 30.00 - 370.00  |
| Delta Tocotrienol*        | 31.52 | nmol/l | 20.20 - 441.00  |
| Total tocotrienol*        | 76.83 | nmol/l | 85.00 - 1614.00 |
| Vitamine K1 (menachinon)* | 1728  | pmol/l | 888 - 2663      |
| Vitamine K2 (MK-7)*       | 0.2   | nmol/l | 2.3 - 17.6      |
| Coenzym Q10*              | 1.0   | μmol/L | 0.7 - 1.4       |
| Free Carnitin             | 47.1  | μmol/L | 43.4 - 105.5    |
| Acyl Carnitin             | 7.0   | μmol/L | 5.6 - 14.3      |
| Total Carnitin            | 54.1  | μmol/L | 49.0 - 119.7    |
| Carnitin acyl/total       | 0.13  | -      | 0.12 - 0.30     |