

| No | Kode Barang | Nama Barang                            | Satuan | Stok Saat Ini (A) | Rencana Kebutuhan (B) | Kekurangan (A -B + C) | Pending Penerimaan (C) | Jumlah | Realisasi Pembelian | Realisasi Penggunaan |
|----|-------------|----------------------------------------|--------|-------------------|-----------------------|-----------------------|------------------------|--------|---------------------|----------------------|
| 1  | IMO14036    | Non Certified TOC Vials 40 ml, 72/case | Cs     | 0                 | 2                     | -2                    | 0                      | 2      | 0                   | 0                    |

Catatan :

Non Certified TOC Vials 40 ml, 72/case , Part.no. HMI 90707-01

- TOC Vial digunakan sebagai wadah sampel untuk analisa PW dan WFI pada alat TOC Analyzer Checkpoint

- Terakhir kali pemesanan tahun 2024 (PW012149)

- Estimasi harga total : Rp.11,595,000 x 2 = Rp. 23,190,000

Latar Belakang Permintaan

- Instrumen TOC Checkpoint dengan no.inventaris : 001/D.09/QC/TOC/KIMI/08/19 telah digunakan sejak tahun 2019 dengan lama masa pakai ± 7 tahun, saat ini perlu dilakukan pengadaan kembali stok TOC Vial yang merupakan consumable part berdasarkan kebutuhan pengujian terlampir

- Masa frekuensi pakai TOC vials yaitu setiap hari

Terlampir Rencana kebutuhan, Penawaran harga, dan kartu stok barang

Dibuat



Mengetahui





SCIENTIFIC

**PT. VISION SCIENTIFIC**

TOTAL Building 6<sup>th</sup> floor  
Jl. Let. Jend. S Parman Kav. 106 A  
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Tel. (+62 ).21. 5695 1538  
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Email: info@vision-scientific.com  
Website: www.vision-scientific.com

**QUOTATION****PT Mersifarma Tirmaku Mercusana**

Jl. Raya Pelabuhan Km. 18  
Cikembar, Sukabumi  
Jawa Barat 43161  
Telp : (0266) 321877

Attn : Mr. Robustus

Date : September 10, 2026  
Number : VSR 260809  
Payment Term : According to TOP  
Delivery Term : Franco Jabodetabek  
Shipment : Indent 6-8 Weeks  
Expiration Date : September 17, 2026  
No. BPPB : -

| No                                        | Part Number  | Description                      | Qty | Unit Price<br>(IDR) | Total Price<br>(IDR) |
|-------------------------------------------|--------------|----------------------------------|-----|---------------------|----------------------|
| <b><u>Consumable For TOC Analyzer</u></b> |              |                                  |     |                     |                      |
| 1.                                        | HMI 90707-01 | Non Certified TOC Vials, 72/case | 1   | 11,595,000.00       | 11,595,000.00        |
| <b>GRAND TOTAL (IDR)</b>                  |              |                                  |     |                     | <b>11,595,000.00</b> |

**Notes :**

- Price are Franco Jabodetabek and Excluding 11% VAT.
- Price could be Change without annoucement (please contact us before PO release for further information)
- Items that have been purchased cannot be exchanged or returned.
- Price valid with Exchange rate 1 USD ≈ Rp 17.500 ±3%

Your Sincerely,

*[Signature]*  
14/26

**Rahma Jalilah**

Sales Calibration

HP. 0812.92921515

[admin.sales@vision-teknik.com](mailto:admin.sales@vision-teknik.com)

**JUMLAH PENGGUNAAN VIAL TOC PER HARI**

| Kamis             |                               | Jumat             |                                     | Sabtu             |                             | Minggu            |                             |
|-------------------|-------------------------------|-------------------|-------------------------------------|-------------------|-----------------------------|-------------------|-----------------------------|
| UP1               | R. Coating (U2)               | UP1               | R. Coating (U2)                     | UP1               | R. Coating (U2)             | UP1               | R. Coating (U2)             |
| 11B               | R. Mixing Liquid 2 (18.47)    | 11B               | R. Mixing Liquid 2 (18.47)          | 11B               | R. Mixing Liquid 2 (18.47)  | 11B               | R. Mixing Liquid 2 (18.47)  |
| 13B               | R. Granulation 1 (22.56)      | 13B               | R. Granulation 1 (22.56)            | 13B               | R. Granulation 1 (22.56)    | 13B               | R. Granulation 1 (22.56)    |
| 20B               | R. Cuci Alat Unit 5 (5.206)   | 20B               | R. Cuci Alat Unit 5 (5.206)         | 20B               | R. Cuci Alat Unit 5 (5.206) | 20B               | R. Cuci Alat Unit 5 (5.206) |
| 21B               | R. Cuci Alat U4 Lt1 (4.112)   | 21B               | R. Cuci Alat U4 Lt1 (4.112)         | 21B               | R. Cuci Alat U4 Lt1 (4.112) | 21B               | R. Cuci Alat U4 Lt1 (4.112) |
| 25B               | R. Cuci Alat U3 (3.106)       | 25B               | R. Cuci Alat U3 (3.106)             | 25B               | R. Cuci Alat U3 (3.106)     | 25B               | R. Cuci Alat U3 (3.106)     |
| 22B               | R. Cuci Alat U4 Lt2 (4.205)   | 7                 | Storage Tank (Unit 2)               | W1                | R. Mixing Aseptik (1.S.135) | W1                | R. Mixing Aseptik (1.S.135) |
| 23B               | R. Granulasi 2 U4 Lt2 (4.216) | UP2               | R. Cuci Alat (Unit 2)               | W8.6A             | R. Mixing 2 (6A.215)        | W8.6A             | R. Mixing 2 (6A.215)        |
| 24B               | R. Granulasi 1 U4 Lt2 (4.214) | UP3               | R. Lab Kimia (Unit 2)               | W26.6A            | R. Bulk Mixing (6A.255)     | W26.6A            | R. Bulk Mixing (6A.255)     |
| 22.6A             | R. Mixing Amp 5 (6A.236)      | UP4               | R. Lab Mikro (Unit 2)               | W4.6B             | R. Filling (6B.121)         | W4.6B             | R. Filling (6B.121)         |
| 23.6A             | R. Washing Amp 5 (6A.237)     | UP5               | R. Sampling (Unit 2)                | Jumlah titik : 10 |                             | Jumlah titik : 10 |                             |
| 24.6A             | R. Janitor (6A.248)           | 10B               | R. Mixing Liquid 1 (26.09)          |                   |                             |                   |                             |
| 25.6A             | R. Laundry C (6A.249)         | 12B               | R. Mixing Liquid 3 (18.02)          |                   |                             |                   |                             |
| 26.6A             | R. Bottle Washing 1 (6A.250)  | 14B               | R. Granulation 3 (22.18)            |                   |                             |                   |                             |
| 27.6A             | R. Bottle Washing 2 (6A.253)  | 30.6A             | R. Washing Amp 6 (6A.257)           |                   |                             |                   |                             |
| 28.6A             | R. Bulk Mixing (6A.255)       | 31.6A             | R. Mixing 6 (6A.261)                |                   |                             |                   |                             |
| 29.6A             | R. Bulk Mixing (6A.255)       | 32.6A             | R. Autoclave 2 (6A.269)             |                   |                             |                   |                             |
| 16.6B             | R. Cuci Alat (6B.151)         | 33.6A             | R. Autoclave 1 (6A.266)             |                   |                             |                   |                             |
| 17.6B             | R. Cuci Alat (6B.151)         | 34.6A             | R. Alat Bersih (6A.284)             |                   |                             |                   |                             |
| 18.6B             | R. Laundry (6B.103)           | 35.6A             | R. Cuci Alat (6A.282)               |                   |                             |                   |                             |
| 19.6B             | R. Laundry (6B.103)           | 22.6B             | R. Mixing (6B.119)                  |                   |                             |                   |                             |
| 21.6B             | R. Washing Tools (6B.116)     | 23.6B             | R. Mixing (6B.119)                  |                   |                             |                   |                             |
| W1                | R. Mixing Aseptik (1.S.135)   | 24.6B             | R. Filling (6B.121)                 |                   |                             |                   |                             |
| W8.6A             | R. Mixing 2 (6A.215)          | 25.6B             | R. Sterilisasi (6B.124)             |                   |                             |                   |                             |
| W26.6A            | R. Bulk Mixing (6A.255)       | 26.6B             | R. Blowing (6B.134)                 |                   |                             |                   |                             |
| W4.6B             | R. Filling (6B.121)           | W1                | R. Mixing Aseptik (1.S.135)         |                   |                             |                   |                             |
| W4                | R. Service Kelas D (1.S.109)  | W8.6A             | R. Mixing 2 (6A.215)                |                   |                             |                   |                             |
| W5                | R. Mixing SA (1.S.119)        | W26.6A            | R. Bulk Mixing (6A.255)             |                   |                             |                   |                             |
| W22.6A            | R. Bottle Washing 1 (6A.250)  | W4.6B             | R. Filling (6B.121)                 |                   |                             |                   |                             |
| W23.6A            | R. Dry and Filling 1 (6A.251) | W29.6A            | R. Filling Ampoule 6 (6A.259)       |                   |                             |                   |                             |
| W24.6A            | R. Bottle Washing 2 (6A.253)  | W30.6A            | R. Mixing 6 (6A.261)                |                   |                             |                   |                             |
| W25.6A            | R. Dry and Filling 2 (254)    | W31.6A            | R. Autoclave Unloading 2 (6A.269)   |                   |                             |                   |                             |
| W27.6A            | R. Bulk Mixing 2 (6A.255)     | W32.6A            | R. Autoclave Loading 1 (6A.266)     |                   |                             |                   |                             |
| W28.6A            | R. Washing Ampoule 6 (6A.257) | W33.6A            | R. Clean Equipment Storage (6A.284) |                   |                             |                   |                             |
| W10.6B            | R. Cuci Cap (6B.149)          | W34.6A            | R. Washing Equipment (6A.282)       |                   |                             |                   |                             |
| W11.6B            | Return                        | W36.6A            | Return SPA                          |                   |                             |                   |                             |
| Jumlah titik : 36 |                               | P1.W              | Generator U1 Steril                 |                   |                             |                   |                             |
|                   |                               | P1.6A             | Generator U6A                       |                   |                             |                   |                             |
|                   |                               | P1.6B             | Generator U6B                       |                   |                             |                   |                             |
|                   |                               | Jumlah titik : 39 |                                     |                   |                             |                   |                             |

**JUMLAH PENGGUNAAN VIAL TOC PER HARI**

| Senin             |                               | Selasa            |                               | Rabu              |                                |
|-------------------|-------------------------------|-------------------|-------------------------------|-------------------|--------------------------------|
| UP1               | R. Coating (U2)               | UP1               | R. Coating (U2)               | UP1               | R. Coating (U2)                |
| 11B               | R. Mixing Liquid 2 (18.47)    | 11B               | R. Mixing Liquid 2 (18.47)    | 11B               | R. Mixing Liquid 2 (18.47)     |
| 13B               | R. Granulation 1 (22.56)      | 13B               | R. Granulation 1 (22.56)      | 13B               | R. Granulation 1 (22.56)       |
| 20B               | R. Cuci Alat Unit 5 (5.206)   | 20B               | R. Cuci Alat Unit 5 (5.206)   | 20B               | R. Cuci Alat Unit 5 (5.206)    |
| 21B               | R. Cuci Alat U4 Lt1 (4.112)   | 21B               | R. Cuci Alat U4 Lt1 (4.112)   | 21B               | R. Cuci Alat U4 Lt1 (4.112)    |
| 25B               | R. Cuci Alat U3 (3.106)       | 25B               | R. Cuci Alat U3 (3.106)       | 25B               | R. Cuci Alat U3 (3.106)        |
| 1B                | Sand Filter (10 Ton)          | 1                 | Sand Filter (Unit 2)          | 15B               | R. Lab Mikro (OM.434)          |
| 2B                | Softener Filter 1 (10 Ton)    | 2                 | Softener Filter 1 (Unit 2)    | 16B               | R. Lab Kimia                   |
| 3B                | Softener Filter 2 (10 Ton)    | 3                 | Softener Filter 2 (Unit 2)    | 17B               | R. Service U1 Steril (1S.109)  |
| 4B                | Carbon Filter (10 Ton)        | 4                 | Carbon Filter                 | 18B               | R. Service U1 Steril (1S.109)  |
| 5B                | RO (10 Ton)                   | 5                 | RO                            | 19B               | R. Mixing Unit 5 (5.223)       |
| 6B                | EDI (10 Ton)                  | 6                 | EDI                           | 15.6A             | R. Laundry B (6A.218)          |
| 7B                | Storage Tank + UV             | 8B                | R. Washing U1 (20.85)         | 16.6A             | R. Unloading (6A.223)          |
| 27B               | Return SPA                    | 9B                | R. Washing U1 (20.85)         | 17.6A             | R. Washing Tool (6A.224)       |
| 1.6A              | Sand Filter (6A)              | 26B               | R. BK Primer U3 (3.117)       | 18.6A             | R. Washing Vial 1 (6A.227)     |
| 2.6A              | Softener Filter 1 (6A)        | 8.6A              | Return (6A)                   | 19.6A             | R. Washing Vial 2 (6A.229)     |
| 3.6A              | Softener Filter 1 (6A)        | 9.6A              | R. Washing Amp 1 (6A.201)     | 20.6A             | R. Washing Amp 4 (6A.234)      |
| 4.6A              | Carbon Filter (6A)            | 10.6A             | R. Mixing 1 (6A.203)          | 21.6A             | R. Mixing Amp 4 (6A.235)       |
| 5.6A              | RO (6A)                       | 11.6A             | R. Washing Amp 2 (6A.212)     | 11.6B             | R. Cap Establishment (6B. 142) |
| 6.6A              | EDI (6A)                      | 12.6A             | R. Filling Amp 2 (6A.213)     | 12.6B             | R. Cap Establishment (6B. 142) |
| 7.6A              | Storage Tank + UV             | 13.6A             | R. Mixing 3 (6A.215)          | 13.6B             | R. Rings Forming (6B.139)      |
| 1.6B              | Sand Filter (6B)              | 14.6A             | R. Washing Amp 3 (6A.216)     | 14.6B             | R. Cuci Cap (6B.149)           |
| 2.6B              | Softener Filter 1 (6B)        | 7.6B              | Storage Tank + UV             | 15.6B             | R. Cuci Cap (6B.149)           |
| 3.6B              | Softener Filter 1 (6B)        | 8.6B              | Return (6B)                   | W1                | R. Mixing Aseptik (1.S.135)    |
| 4.6B              | Carbon Filter (6B)            | 9.6B              | R. Preform (6B.131)           | W8.6A             | R. Mixing 2 (6A.215)           |
| 5.6B              | RO (6B)                       | 10.6B             | R. Preform (6B.131)           | W26.6A            | R. Bulk Mixing (6A.255)        |
| 6.6B              | EDI (6B)                      | W1                | R. Mixing Aseptik (1.S.135)   | W4.6B             | R. Filling (6B.121)            |
| W1                | R. Mixing Aseptik (1.S.135)   | W8.6A             | R. Mixing 2 (6A.215)          | W2                | R. Cuci Alat Kelas C           |
| W8.6A             | R. Mixing 2 (6A.215)          | W26.6A            | R. Bulk Mixing (6A.255)       | W3                | R. Service Kelas D (1.S.109)   |
| W26.6A            | R. Bulk Mixing (6A.255)       | W4.6B             | R. Filling (6B.121)           | W15.6A            | R. Washing Vial 2 (6A.229)     |
| W4.6B             | R. Filling (6B.121)           | W6                | Destiler                      | W16.6A            | R. Washing Ampoule 4 (6A.234)  |
| W1.6A             | Destiler                      | W0                | Storage Tank 2000 L           | W17.6A            | R. Mixing Ampoule 4 (6A.235)   |
| W2.6A             | Storage Tank 4.000 L          | W9.6A             | R. Washing Ampoule 3 (6A.216) | W18.6A            | R. Mixing Ampoule 5 (6A.236)   |
| W3.6A             | R. Washing Ampoule 1 (6A.201) | W10.6A            | R. Filling Ampoule 1 (6A.217) | W19.6A            | R. Washing Ampoule 5 (6A.237)  |
| W4.6A             | R. Filling Ampoule 1 (6A.202) | W11.6A            | R. Laundry Kelas B (6A.218)   | W20.6A            | R. Janitor (6A.248)            |
| W5.6A             | R. Mixing 1 (6A.203)          | W12.6A            | R. Autoclave (6A.223)         | W21.6A            | R. Laundry Kelas C (6A.249)    |
| W6.6A             | R. Washing Ampoule 2 (6A.212) | W13.6A            | R. Washing Tool (6A.224)      | W9.6B             | R. Cuci Alat (6B.151)          |
| W7.6A             | R. Filling Ampoule 2 (6A.213) | W14.6A            | R. Washing Vial 1 (6A.227)    | Jumlah titik : 37 |                                |
| W1.6B             | Destiler                      | W8.6B             | R. Washing Tools (6B.116)     |                   |                                |
| W2.6B             | Storage Tank 6.000 L          | Jumlah titik : 39 |                               |                   |                                |
| Jumlah titik : 40 |                               |                   |                               |                   |                                |

## ANALISA KEBUTUHAN VIAL TOC

Penggunaan vial TOC analisa rutin PW dan WFI

:

40 pcs/hari

| Kondisi  | Vial atau Karet<br>Tutup Rusak<br>/Bulan | Kebutuhan/Tahun | +20% Safety<br>Stock | Total |
|----------|------------------------------------------|-----------------|----------------------|-------|
| Historis | 5                                        | 60              | 12                   | 72    |

Jumlah titik sampling  
TOC : **±40 titik/hari**  
Vial TOC bersifat : **Reusable**  
Histori kerusakan : **±5 vial/bulan**  
Estimasi replacement  
tahunan : **±60 vial**  
Safety stock 20% : **±12 vial**  
Kebutuhan  
replacement + safety : **±72 vial/tahun**  
stock dasar  
Kemasan supplier : **72 pcs/pack**  
Rencana pengadaan : **2 pack**  
Total pengadaan : **144 vial**

Penggunaan vial TOC analisa kualifikasi

:

160 pcs/hari

Pembelian dilakukan untuk 2 pack (144 vial) dengan memperhitungkan penggunaan apabila terdapat jadwal analisa kualifikasi PW dan WFI di mana semua titik sampling yang ada di PT. Mersifarma (sejumlah ± 160 titik) dilakukan pengujian setiap hari selama 14 hari.

*[Signature]* 19/26  
16/09

