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## CERTIFICATE OF ANALYSIS

### MODAFINIL

#### 2-(benzhydrylsulfinyl)acetamide

|                    |            |                       |            |
|--------------------|------------|-----------------------|------------|
| BATCH              | 120001     | CODE                  | 320307003  |
| QUANTITY           | KG - 67    | REFERENCE             | USP/EP     |
| MANUFACTURING DATE | 28/02/2012 | ANALYTICAL REPORT NR. | 2012000521 |
| RETEST DATE        | 01/02/2017 | ANALYSIS DATE         | 23/03/2012 |

| TESTS | LIMITS |         | RESULTS |
|-------|--------|---------|---------|
|       | M.U.   | MIN MAX |         |

|                                   |       |      |          |
|-----------------------------------|-------|------|----------|
| ASPECT                            |       |      | COMPLIES |
| COLOUR                            |       |      | COMPLIES |
| IDENTIFICATION (IR)               |       |      | COMPLIES |
| IDENTIFICATION (HPLC)             |       |      | COMPLIES |
| WATER CONTENT                     | %     | 0.2  | 0.0      |
| ASSAY (HPLC)                      | % db. | 98.0 | 98.7     |
| EACH UNKNOWN IMPURITY (HPLC)      | %     | 0.05 | 0.03     |
| MODAFINIL ACID (IMP. A) (HPLC)    | %     | 0.2  | 0.0      |
| MODAFINIL SULFONE (IMP. B) (HPLC) | %     | 0.5  | 0.0      |
| MODAFINIL ESTER (IMP. C) (HPLC)   | %     | 0.5  | 0.0      |
| TOTAL IMPURITIES (HPLC)           | %     | 1.0  | 0.1      |
| RESIDUAL METHYL ALCOHOL           | ppm   | 3000 | 261      |
| RESIDUAL THF                      | ppm   | 720  | 37       |
| HEAVY METALS                      | ppm   | 20   | < 20     |
| RESIDUE ON IGNITION               | %     | 0.1  | 0.0      |

APPROVED

QUALITY CONTROL

Dr. Stefano Gobbaio

NOTE: This certificate of analysis has been generated electronically and it is valid without a signature