

Product : Batch no :

PRIME EUROPEAN THERAPEUTICALS SpA - Sole Shareholder

Registered Office: Viale Bilanca Maria, 25 - 20122 Milano - Administrative Office: Viale Milano, 86/88 - 26900 Lodi Tax Code - VAT Number - Trade Register of Milano n. 07294610152 - B.E.A. M-1851470 - Share ceptal 34.373 885,46 fully paid

Code: 30127

CERTIFICATE OF ANALYSIS

| Manufacturing date: October | 2013 Analysis date: November 2013 Re-test | date: October 2017 |
|--|--|---|
| TEST | SPECIFICATIONS | ANALYSIS VALUE |
| Characters Identification IR Identification Identification HPLC Water (K.F.) Sulphated ash Heavy metals Specific optical rotation Assay, on dried basis (HPLC) | white to off-white crystalline powder. must comply to the standard it gives positive reaction with 1,3-dinitro benzene must comply to the standard between 1.9 % and 2.5 % not more than 0.1 % not more than 10 ppm between - 115° and - 112° between 98.0 % and 102.0 % | complies complies complies complies 2.3 % 0.1 % less than 10 ppm - 115° |

- Tacrolimus metacrilate not more than 0.2 % not detectable - Tacrolimus diene not more than 0.2 % not detectable - Ascomycin not more than 0.5 % 0.1% - Propyl-derivate not more than 0.1 % not detectable - Tautomer II not more than 1.0 % 0.2% - Tautomer I

not more than 0.5 % - Largest unspecified not more than 0.2 % - Total (*) not more than 0.8 % Residual solvent

TACROLIMUS

IE1300799A

Acetone not more than 5000 ppm Ethyl acetate not more than 5000 ppm n-Heptane not more than 5000 ppm **TAMC** not more than 100 ufc/g **TYMC** not more than 10 ufc/g

26 ppm not detectable not detectable < 10 cfu/g

0.2 %

not detectable

not detectable

< 10 cfu/g

(*) Total impurities does not include Tautomer II and Tautomer I

Milan - February 6, 2014

Q.C. Manager

This is to certify that the batch was manufactured according to c-GMP.

Qualified Person

DR. STEFANO BRUSCO