

Issued by: Novartis Pharma AG

4002Basel Switzerland

Certificate of Analysis No CH280100058256

Product Name:

HYDROCHLORTHIAZIDE MIC,/DS 05

Global Material No:

830918

Batch No: C0219

Date of Manufacturing 05-MAR-2013

Retest date

03-MAR-2017

Testing Monograph:

 $DS_4011961_A_R_1+R_1A+DS_4011961_A_R_2$

Analysis No: 4100180811

| Tests | Requirements | Results |
|---|-----------------------|---------|
| Appearance by visual examination | white or almost white | White |
| Appearance by visual examination | powder | Powder |
| Clarity of the solution in dimethyl sulfoxide (2+20) | clear | Clear |
| Absorbance of the solution in dimethyl sulfoxide (2+20) | Max 0.02 | 0.01 |
| Particle size by air-jet sieving 100µm | Max 20 % | 2 % |
| Particle size by air-jet sieving 500µm | Max 0.5 % | 0.1 % |

