

Art no: 05-0119

# CERTIFICATE OF ANALYSIS

Lot no: 174404



Product name:	<b><i>Narcissus pseudonarcissus lectin (NPA)</i></b>
Production date:	20xx-xx
Date of release:	2019-07-06 (retested)
Expiry date:	2022-01
Source:	<i>Narcissus pseudonarcissus</i> (Daffodil)
Form:	Lyophilized
Storage:	-20 °C (may be shipped at ambient temp)

Analysis	Specification	Result
Appearance	White powder or flocculate by visual inspection resulting in a clear solution.	Fulfills requirement
Solubility	Dissolves at 1mg/ml in 0,9% NaCl within 5 minutes.	Fulfills requirement
Electrophoresis	One major band at 13 kDa in SDS-electrophoresis	Fulfills requirement, see attachment
Protein content	≥ 90%, using Abs 280 nm ( $\epsilon$ 1.28 = 1 mg/mL) in comparison to weighed substance.	Fulfills requirement Result: xx%, not retested

The above material has met all quality specifications and has been reviewed by a quality representative.

A handwritten signature in blue ink that reads 'Camille Krig'.

Quality Assurance, Camilla Krig

2019-08-07

Date

**SDS PAGE, analysis of *Narcissus pseudonarcissus* lectin (NPA)  
lot 174404 (reinspection)**

Electrophoresis with Pharmacia Phastsystem (Amersham Biosciencis).

**Material**Phast gel gradient 8 – 25  
Phast gel SDS buffer strips**Metod**

The protein was diluted to 2 mg/ml in loading buffer (0.45 % NaCl, 5 mM TRIS/HCL, 0.5 mM EDTA, 1.25 % SDS, 25 mM DTT)

LMW marker was from, LMW SDS calibration kit for SDS electrophoresis (GE Healthcare).

MW of proteins included in LMW (14 000 Da - 97 000 Da) marker:

Phosphorylase b	97 000
Albumin	66 000
Ovalbumin	45 000
Carbonic anhydrase	30 000
Trypsin inhibitor	20 100
$\alpha$ -Lactalbumin	14 400

The samples were boiled for 5 min. and approx. 1  $\mu$ l was applied on Phast gel (gradient 8 – 25).  
Program; 300v, 7.5 mA, 2.0 W, 80 Vh.

The gels were stained with Coomassie blue for 30 min and then destained.


**Result**

1 2 3 4 5 6 7 8



Lane 1, 7, 8      Empty  
Lane 2, 4        LMW mol marker  
Lane 3, 5        NPA lot 174404

Analysis performed by

  
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Tyra Hultgren, 2019-07-12