

p-NPP One, Ready-to-use Substrate

Cat. no.: 4401

Lot. no.:

Date of manufacture:

Exp. Date: (When stored at 4°C in an unopened bottle).

Analysis: The substrate is analyzed for consistent activity, background, colour and pH (only the procedure for activity and background is described in the COA).

Background: 100 µl substrate is pipetted into eight wells of a standard microtiter plate, followed by addition of 100 µl 1M sodium hydroxide. The background absorbance is read at 405 nm.

Activity: The activity is determined in a 2-layer ELISA. First layer is a standard human serum dilution. Second layer is rabbit anti human IgG-AP. 100 µl substrate is added to each well and incubated for 30 minutes. The reaction is stopped by addition of 100 µl 1M sodium hydroxide. The absorbance is read at 405 nm. The activity is compared to a standard p-NPP solution with known activity.

Specifications: Activity: 90 – 110 %
Background: < 0.080 abs.
pH: 9,35 – 9,75
Colour: Clear to slightly yellow

Results: Activity test:
Colour:
Background:
pH:

Storage: Short term storage: Ambient; protected from light.
Long term storage: 4 °C; protected from light.

Performed by: Date : Sign. :

Approved by: Date : Sign. :