

NOVICHEM Spółka z o.o. ul. Główna 4 41-508 Chorzów	<b>PRODUCT SPECIFICATION</b>  <b>SPK/DK/2</b>	Page/Pages: 1 of 2
		Version No.: III valid from: 01.01.2021
	<b>POTASSIUM HYDROGEN DL-ASPARTATE SEMIHYDRATE</b>	Replaces Version: II valid from 19.07.2019
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### 1. Appearance

white crystalline powder or colourless crystals

### 2. Chemical name

potassium hydrogen dl-aspartate semihydrate

### 3. Chemical formula

$C_4H_6NO_4K \cdot 0.5 H_2O$



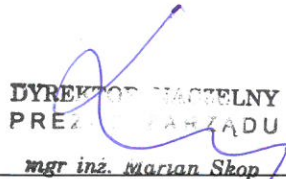
### 4. Molecular weight

180.20 g/mol

### 5. Quality requirements

#### 5.1. Physicochemical requirements

No.	PROPERTY	Requirements	Analytical Method
1.	Appearance	white crystalline powder or colourless crystals	visual examination
2.	Identification A, C, D or B	positives	A – Ph.Eur. 2.2.7 B – Ph.Eur. 2.2.24 C – DAB D – Ph.Eur. 2.3.1
3.	Appearance of 2.5% water solution	clear and colourless	Ph.Eur. 2.2.1 Ph.Eur. 2.2.2 Method II
4.	Assay (calculated with reference to the anhydrous substance), %(w/w)	98.0 + 102.0	Ph.Eur. 2.2.20
5.	pH of 2.5% water solution	6.0 + 8.0	Ph.Eur. 2.2.3
6.	Water (KF), %(w/w)	3.0 + 7.0	Ph.Eur. 2.5.12

Prepared by:	Checked by:	Approved by:
<b>GLÓWNY TECHNOLOG</b>  dr inż. Wiesława Kukietka	<b>KIEROWNIK</b> <b>DZIAŁU KONTROLI JAKOŚCI</b>  mgr inż. K. Sekta-Skrobowska	<b>DYREKTOR NACZELNY</b> <b>PREZES Zarządu</b>  mgr inż. Marian Skop
Date 31.12.2020r.	Date 31.12.2020r.	Date 31.12.2020r.

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7.	Related substances (TLC)	compliance test	Ph.Eur. 2.2.27
8.	Chlorides (Cl <sup>-</sup> ), ppm	≤ 200	Ph.Eur. 2.4.4
9.	Sulfates (SO <sub>4</sub> <sup>2-</sup> ), ppm	≤ 500	Ph.Eur. 2.4.13
10.	Iron (Fe <sup>3+</sup> ), ppm	≤ 30	Ph.Eur. 2.4.9
11.	Ammonium (NH <sub>4</sub> <sup>+</sup> ), ppm	≤ 200	Ph.Eur. 2.4.1

## 5.2. Microbiological requirements

1.	TAMC (total aerobic microbial count), cfu/g	≤ 10 <sup>3</sup>	Ph.Eur. 2.6.12
2.	TYMC (total combined yeast/moulds count), cfu/g	≤ 10 <sup>2</sup>	
3.	<i>Escherichia coli</i> in 1g	absence	Ph.Eur. 2.6.13

## 6. Period of validity

The product stored in accordance with item 8 meets the requirements for a period of 3 years.

## 7. Standard packaging

- unitary:  
Polyethylene bag placed in a cardboard box containing 25 kg of finished product.
- summary:  
Pallet wrapped with self-adhesive foil.

The labelling of each package includes the manufacturer's name, product name, net weight, batch number, date of manufacture, expiry date, information: "no special storage conditions required".

## 8. The storage conditions

In tightly sealed containers, in dry storage.  
It does not require any special storage conditions.

## 9. Transport requirements

Covered means of transport.