

**MARKET RESEARCH NR 78/2024 from 01.08.2024**  
**DETAILED DESCRIPTION OF THE SUBJECT OF THE ORDER**

**1. PREAMBLE**

In connection with the implementation of the project titled "Design and development of nanoparticle-RNA based drugs to be used in anti-cancer therapy with the construction of a nanoparticle platform for targeted delivery of therapeutic nucleic acids", by BS Biotechna SA, under contract No. 2022/ABM/06/00005-00 for co-financing of a commercial project as part of the Competition for the development of targeted or personalized medicine based on medicinal products based on nucleic acids and small-molecule compounds. The Ordering Party conducts market research regarding purchase costs DSPE Carbamate PEG Amine, HCl Salt, MW 2000 (GMP grade).

**2. PURCHASER:**

BS Biotechna Spółka Akcyjna,  
ul. Szlak 77 lok. 222, 31-153 Kraków  
NIP 9452226486

**3. DESCRIPTION OF THE ORDER COVERED BY MARKET INVESTIGATION NO. 78/2024:**

The subject of the order is a purchase in accordance with the specifications given below:

**DSPE Carbamate PEG Amine, HCl Salt, MW 2000 (GMP grade)**

Quantity : 17 g

Appearance : (method visual inspection) - White to light-yellow powder

Identity : ( method <sup>1</sup>H-NMR)- Conforms to structure

Purity: (HPLC-CAD) :  $\geq 90\%$

Substitution (DSPE)( method H-NMR)  $\geq 95\%$

Substitution (Amine) (method H-NMR)  $\geq 95\%$

Molecular weight (method MALDI ) :  $2,809 \pm 200$  Da (Mn)

Molecular weight PEG raw material (HO-PEG2000-OH) (method MALDI/GPC) :  $2,000 \pm 200$  Da (Mn)

Polydispersity PEG raw material (HO-PEG2000-OH) (method GPC) :  $\leq 1.04$

Polydispersity method GPC  $\leq 1.04$

Foreign material : (method visual inspection )- None detected on sample

Residue solvents (method GC)

Ethanol  $\leq 5000$  ppm

Isopropanol  $\leq 5000$  ppm

Dichloromethane  $\leq 600$  ppm

Ethyl acetate  $\leq 5000$  ppm

Water content (method: USP Karl Fischer )  $\leq 1.0$  wt%

Endotoxins method USP <85> Kinetic Turbimetric – report

Bioburden TAMC (Total aerobic microbial count) – report  
TYMC (Total yeast and mold count) method USP – report

CPV cods:

24000000-4 – Chemical products  
33690000-3 – Miscellaneous medicinal products  
33680000-0 – Pharmaceutical products

Delivery place : Warszawa

If the description or requirements specify names for use, indicating a specific product, source, trademarks, patents or specific origin, they may be replaced by equivalent or better solutions, with technical and operational parameters not worse than those given.

#### **4. DEADLINE AND FORM OF SUBMITTING OFFERS**

Offers should be submitted by e-mail to the following address: [oferty@bsbiotechna.com](mailto:oferty@bsbiotechna.com) within 7 days from the date of publication of the market research, i.e. by August 8, 2024. Offers should be submitted on the form in accordance with with Annex No. 1 to market research 78/2024.

#### **5. CONDITIONS OF PARTICIPATION IN THE PROCEEDINGS**

Submitting the offer form..

#### **6. ANNEX**

Annex No. 1 Offer form (offer template)