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Subject: **Technical task for the procurement of raw materials for 2026 – Order No. 148/26**
Date: 29.10.2026.

Product name: **Automotive urea (AdBlue – AUS 32)**
Product name:
Urea - $(NH_2)_2CO$
Product Application: **Raw material used for production of Adblue**.

The planned amount of raw material (t): **100 t**
Packaging of raw material (delivery): **Jumbo bags**

Delivery: **Successively**

Required characteristics of raw materials in accordance with international standards ISO 22241, DIN 70070:

Urea content, min. (% w/w)	**98,0**
Granulat size d1- d2,8mm, min. (% w/w)	**90,0**
Fraction finer than 0,5 mm, max. (% w/w)	**3,0**
Fraction bigger than 10 mm, max. (% w/w)	**0 (none)**
Moisture, max. (% w/w)	**0,5**
Total nitrogen, min. (% w/w)	**46,0 (on dry basis)**
Biuret, max. (% w/w)	**0,8**
Alkalinity as NH_3, max. (%w/w)	**0,5**
Ammonia, max. (mg/kg)	**0,2**
Aldehydes, max. (mg/kg)	**5,0**
Urea formaldehyde, max (%w/w)	**0,4**
Phosphate (PO_4), max. (mg/kg)	**0,8**
Insoluble matter, max. (mg/kg)	**50,0**
Elements, max. (mg/kg):	
- **Calcium**	**0,5**
- **Iron**	**0,5**
- **Aluminium**	**0,5**
- **Cooper**	**0,5**
- **Zinc**	**0,5**
- **Chromium**	**0,5**
- **Nickel**	**0,5**
- **Magnesium**	**0,5**
- **Sodium**	**0,5**
- **Potassium**	**0,5**
- **Phosphate**	**0,5**
pH (10% solution)	**9-10**

Note: The specification is based on the requirements for technically pure urea (prescribed by VDA and standard ISO 22241). In order to meet the requirements for AdBlue certification, a test report/quality certificate must be submitted with each delivery as confirmation of compliance with the above parameters.

<u>Required technical documentation that must be submitted:</u>

- Technical Data Sheet – TDS,
- Safety Data Sheet – SDS, in accordance with EU Regulations 1907/2006 and 878/2020
- Documentation required for registration in the Chemical Inventory of the Republic of Srpska: consent from the manufacturer or supplier, product label (drum), full composition up to 100% (if this information is not available in the Safety Data Sheet). If the manufacturer does not wish to disclose the full composition, the information about the chemical composition can be sent directly to the Ministry of Health and Social Welfare of the Republic of Srpska,

- Technical Report (engine tests and other tests) - Technical report (may be in electronic form as well as other documents at the request of),
- Country of origin – Statement,
- REACH – status,
- Quality report,
- Results of laboratory analysis

Tehnical task done: Branko Despotović, MSc
Head of Development, Testing and Quality

Signature: 