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News Release

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BASF receives RFNBO certification for ammonia produced from renewable hydrogen at its Ludwigshafen site

BASF announced today that it has obtained certification for the production of RFNBO ammonia. The hydrogen used to produce the ammonia meets the EU sustainability and greenhouse gas emission requirements for “Renewable Fuels of Non-Biological Origin” (RFNBO). This enables BASF to offer its customers RFNBO-certified ammonia as an additional option for incorporating renewable raw materials in their value chains.

The ISCC EU certification confirms that the hydrogen used meets the EU regulatory requirements for RFNBO regarding its renewable origin and greenhouse gas emission savings and can be utilized in ammonia production at BASF’s Ludwigshafen site. BASF has also obtained this certification for its distribution infrastructure in Ludwigshafen and Antwerp.

The new product will complement BASF’s existing RFNBO portfolio, which already includes certified hydrogen and methanol. “Customer interest in this product is strong and we are pleased to be able to offer it to our customers now. Ammonia is the starting point for modern agriculture as well as for many petrochemical value chains. Beyond that, it can also be used in new applications, such as fuel for maritime shipping,” said Dr. Jens Aßmann, Vice President Business Management Ammonia Value Chain and Operations Amino Resins at BASF.

BASF currently supplies customers with various ammonia grades in which renewable feedstocks used in the production network are attributed to the products

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through a certified mass balance approach. Mass balance means that renewable feedstocks replace fossil feedstocks at the start of production and are attributed by calculation to specific products; these products therefore do not necessarily physically contain renewable material. RFNBO-certified ammonia will add another alternative to the portfolio, which BASF plans to start producing in 2027.

“Our goal is to support customers who want to reduce their use of fossil raw materials with innovative solutions and new products. The RFNBO certification of ammonia marks another step on this journey,” said Aßmann.

About BASF

At BASF, we create chemistry for a sustainable future. Our ambition: We want to be the preferred chemical company to enable our customers’ green transformation. We combine economic success with environmental protection and social responsibility. Around 95,000 employees in the BASF Group contribute to the success of our customers in nearly all sectors and almost every country in the world. Our portfolio comprises, as core businesses, the segments Chemicals, Materials, Industrial Solutions, and Nutrition & Care; our standalone businesses are bundled in the segments Surface Technologies and Agricultural Solutions. BASF generated sales of around €60 billion in 2025. BASF shares are traded on the stock exchange in Frankfurt (BAS) and as American Depositary Receipts (BASFY) in the United States. Further information at www.basf.com.