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PRODUCT SPECIFICATION

产品规格书

Product Name	Ethanol Anhydrous 99.5% Min (USP/EP/BP/JP)	**Grade / Model**	Anhydrous USP/EP/BP/JP multi-compendial grade, Greenfield QSPEC000240; compendial UV criteria confirmed at manufacture
CAS No.	64-17-5	**Executive Standard**	Greenfield QSPEC000240, version QV000003, effective 29 March 2021; USP, EP, BP and JP methods as listed. The manufacturer confirms compendial UV absorption criteria at the time of manufacture.
Revision Date	2026-11-16	**HS Code**	2207.10 (undenatured ethyl alcohol with alcoholic strength ≥80% by volume; confirm denaturation status and destination-country suffix)

No.	Item	Specification
1	Ethyl alcohol content	≥99.5% v/v
2	Water content	≤0.100% v/v (Karl Fischer titration)
3	Density in air at 20 °C	≤0.7885 kg/L
4	USP Identification A — specific gravity at 15.56 °C	≤0.7962
5	JP specific gravity in vacuo at 15/15 °C	0.79422–0.79679
6	EP/BP relative density at 20 °C	0.790–0.793
7	USP Identification B — infrared absorption	Conforms to standard
8	Nonvolatile residue	≤0.0025 g/100 mL (current USP)
9	Acetaldehyde + acetal	≤10 ppm (µL/L, GC)
10	Methanol	≤75 ppm (µL/L, GC)
11	Benzene	≤2 ppm (µL/L, GC)
12	Sum of all impurities	≤300 ppm (µL/L, GC)

Remarks: Packing: 25 L lined steel pails, catalog P025EAAN (Greenfield product page and QSPEC000240; https://greenfield.com/products?ProductID=PROD241). Other packaging is not implied.. Storage: Store tightly closed in a cool, dry, well-ventilated, fire-protected area away from direct sunlight, heat, sparks, open flames and strong oxidants. Ground and bond containers, prevent static accumulation, and use explosion-proof storage provisions.

Specification basis: Public manufacturer specification; final supply subject to Richest COA. The selected product is Greenfield Ethyl Alcohol Anhydrous P025EAAN with ≥99.5% v/v ethanol and USP/EP/BP/JP criteria, not an unspecified aqueous ethanol or a denatured grade. GHS and UN 1170 transport follow the matching Greenfield SDS.