# Technical Data Sheet

Aniline Oil · CAS 62-53-3 · C†H…NH,

## TECHNICAL DATA SHEET (DRAFT) - Aniline Oil (Industrial Grade)

Product Description:
Aniline is a primary aromatic amine, appearing as a clear to amber oily liquid with a characteristic odor. It is a vital chemical building block for polyurethanes and specialty chemical synthesis.

Chemical Properties:
- CAS Number: 62-53-3
- Molecular Formula: C†H…NH,
- Molecular Weight: 93.13

Technical Specifications:
1. Purity (GC): "e 99.90%
2. Moisture (Karl Fischer): "d 0.05% (500 ppm)
3. Nitrobenzene Content: "d 0.0002% (2 ppm)
4. Color (APHA): "d 30 (Initial)
5. Boiling Point: 184.1 °C
6. Specific Gravity (@ 20°C): 1.021 - 1.023
7. Freezing Point: -6.2 °C

Usage Profile:
Mainly used in the catalytic hydrogenation to produce MDI, synthesis of rubber accelerators (like MBT), and the production of indigo dye and antioxidants.

NOTE: These specifications are typical but not exhaustive. Contact Moonarc FZCO for a specific Certificate of Analysis (COA).


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# Contact The Moonarc Group

We supply industrial chemicals to manufacturers across the globe. Reach out for quotations, technical clarifications, custom packaging or regulatory documentation.

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