

## CERTIFICATE OF QUALITY

Issued by an Independent Surveyor at Loading Port

Vessel	:	MT. "TSM POLLUX"
Commodity	:	Orthoxylene
Quantity B/L	:	1,902.368 MT
Port of Loading	:	Map Ta Phut, Thailand
Port of Discharge	:	JNPT, India

Sampling source	:	Shore tank No. T-1801
Type of sample	:	Spot drain at lower level taken before loading
Date of sampling	:	13 February 2023
Sample drawn by	:	AmSpec Inspector
Sample tested at	:	PTT GC laboratory as witnessed by AmSpec

On witnessing of analysis, the following results were obtained :-

Test Item	Test Method	Results
o-Xylene, wt. %	UOP 744	98.29
Non-Aromatics, wt. %	UOP 744	0.30
o-, m-, p-xylene Content, wt. %	UOP 744	99.38
Aromatics other than xylene, wt. %	UOP 744	0.34
Cumene, wt. %	UOP 744	0.26
Total Sulfur, wt. ppm	ASTM D 5453	<1.0
Distillation Range at 760 mmHg (abs), °C	ASTM D 850	0.6
Specific Gravity (15.6°C / 15.6°C)	ASTM D 4062	0.8842
Density @ 15°C, g/mL	ASTM D 4062	0.8837
Acid Wash Color	ASTM D 848	No. 0
Bromine Index, mg/100g	ASTM D 1492	4.45
Total Chloride, wt. ppm	ASTM D 5808	<0.2
Copper Corrosion	ASTM D 849	Pass
Nonvolatile Matter, mg/100mL	ASTM D 1353	0.0
Acidity	ASTM D 847	Pass
Color Pt-Co	ASTM D 5386	No. 3

**Disclaimer:**

When analysis is witnessed by us, our responsibility is solely to ensure that the analysis is conducted to standard test methods in accordance with industry practice. We are not responsible for all apparatus, instrumentation and measuring devices, calibration of same and working order. Reagents are accepted as prepared.



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All works are performed in accordance with AmSpec Standard Terms and Conditions of Service which is available on request.

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