

Guangdong Wande Testing Technology Co., Ltd.

Test Report

Report No.: WDX21040262-2

Client: Sinopec Maoming Branch Co., Ltd.

Address: Ethylene Plant Area, Qijing Town, Maogang District, Maoming City

Report Date: 2025 April 12

Prepared by:

肖雨玲

examine and verify:

王星

ratify:

朱江



Client has stated that with the conclusion of this report, he assumes responsibility for the three samples provided. This report may not be partially reproduced without prior authorization. Inspection and testing data and results contained in any report lacking the CMA seal shall not be considered evidentiary.

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Commissioning Entity: Sinopec Maoming Branch Co., Ltd.**Address:** Ethylene Plant Area, Qijing Town, Maogang District, Maoming City

The Following Sample Information Has Been Provided and Verified by the Applicant:

Sample Name: High-density polyethylene resin

sample size: 1pc**Sample Model:** HHM5502LW**Sample Collection Date:** April 8, 2025**target date:** 2025 April 12Test results: Please refer to the following page.**Testing Requirements and Conclusions:**

Order number	Test sample	Standards and Requirements	Conclusion
1	Test materials for the submitted samples	US FDA 21 CFR 177.1520: Olefin Polymers (Polyethylene (PE)). Density n-Hexane-soluble extract Xylene-soluble extract	Qualified



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detection result:

US FDA 21 CFR 177.1520 – Olefin Copolymers (Polyethylene (PE))

method:

Density-Internal Method n

Hexane-soluble extract – US FDA 21 CFR 177.1520

Xylene Soluble Extract – US FDA 21 CFR 177.1520

Material Number	Surveillance project	Testing conditions	Limit value	Results	Conclusion
2	Density	/	0.850-1.00 g/cm ³	0.915g/cm ³	Qualified
1	Maximum soluble extract in n-hexane	50°C, 2 hours	5.5%	0.8%	Qualified
	Maximum soluble extract of xylene	Recirculate for 2 hours, then allow it to stand for at least 1 hour at 25 °C.	30%	2.5%	Qualified

Note: 1. g/cm³ = per cubic centimeter.

- For polyethylene materials not used for wrapping or storage during cooking, the maximum allowable limit of soluble extracts in n-hexane shall be 5.5%.
- For polyethylene materials used for wrapping or storage during the cooking process, the maximum allowable limit of soluble extracts in n-hexane is 2.6%.
- "n": This test item has not been accredited by CNAS.
- % = mass percentage.

Test Material Checklist

Material Number	Description	Position
1	White plastic pellets	Main chain (copolymerized PE)
2	White plastic sheet	Main chain (copolymerized PE)

Sample photos:



****Report complete****

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