Certificate of Analysis
SALSA® MLPA® Reagent Kit

Catalogue #	**EK5-FAM**	
Product name	**SALSA MLPA Reagent Kit**	
LOT	**26.0059**	
Σ	500 reactions.	
⌛	Expiration date: April 2029.	
Quality control specifications		
Reagent kit components	- Test with selected quality control probemixes to check for hybridization speed, ligase-65 activity and polymerase activity. Variation of primer peaks between new and old lots is <20%. Variation within the reference sample population and within the sample population is <10% (maximum stdv 0.10). Residual primer% is below 40%. Probe ratio of special testing probes is between 0.8-1.2. No DNA reaction only shows the 64, 70, 76 and 82 nt control fragments. - Primer-dimer-like peak formation is tested on the PCR Primer mix by using a mix of LPOs that have extensive homology with the PCR Primers. The primer-dimer-like peak is lower than threefold the average height of the probe peaks. - Ligase Buffer B conductivity variation between lots is <10%. - Tests performed (not on Ligase Buffer A and Ligase-65) on 5 ng DNA to determine variation of the primer peaks. This variation should be ≤20%. - Stability test (incubation for 1 week at 37°C). Variation of primer peaks between new and old lots is <20%. Variation within the reference sample population and within the sample population is <10% (maximum stdv 0.10). Residual primer % is below 40%. Probe ratio of special testing probes is between 0.8-1.2. No DNA reaction only shows the 64, 70, 76 and 82 nt control fragments. Sloping is <60%.	Test result PASS
Assembled reagent kit	- Test with selected quality control probemix on male and female samples to check for correct fragment profile under normal testing conditions.	PASS

This lot was certified by MRC Holland on 16 November 2026.

This certificate is a declaration of analysis at the time of the manufacturing process. All assays were run in compliance with manufacturer's instructions for use.

More information: www.mrcholland.com	
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Implemented changes in the COA
Version 01 – 17 November 2026 (01) - Not applicable, new document.