




Certificate of Analysis

SALSA® Binning DNA SD022

Catalogue #	SD022	
Product name	SALSA Binning DNA SD022	
LOT	S01-0421	
	6 reactions.	
Shipping conditions	Dry ice or cooling elements.	
	Store upon arrival between -25 °C and -15 °C.	
	Expiry date: April 2026, when stored at recommended conditions.	
Purpose	To be used with SALSA MLPA Probemix P043-E1 APC, SALSA MLPA Probemix P072-D1 MSH6-MUTYH or SALSA MLPA Probemix P378-D1 MUTYH, SALSA MLPA reagent kits and Coffalyser.Net™ analysis software as described in the MLPA General Protocol and the corresponding probemix product descriptions.	
Quality control specifications	<ul style="list-style-type: none"> - The mutation-specific probes, as described in the product description, produce a signal at the designed length. - The signal of the mutation-specific probes when tested with wild-type genomic DNA is <5% of the peak height generated when tested with SALSA Binning DNA SD022. - The signal of the mutation-specific probes when tested with SALSA Binning DNA SD022 is at least 15% in peak height of the average probe signal of the 10 neighbouring probes. - The 105 nt chromosome Y specific control fragment generates a signal on SALSA Binning DNA SD022 which is similar ($\pm 20\%$) to the signal obtained on wild-type male genomic DNA. - All probes in SALSA MLPA Probemix P043-E1 APC, SALSA MLPA Probemix P072-D1 MSH6-MUTYH and SALSA MLPA Probemix P378-D1 MUTYH, other than the mutation-specific probes, show normal signals, similar to the peak pattern obtained on wild-type genomic DNA. 	<p>Test result</p> <p style="text-align: center;">PASS</p>

More information: www.mrcholland.com ; www.mrcholland.eu	
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SALSA® Binning DNA SD022 sample pictures

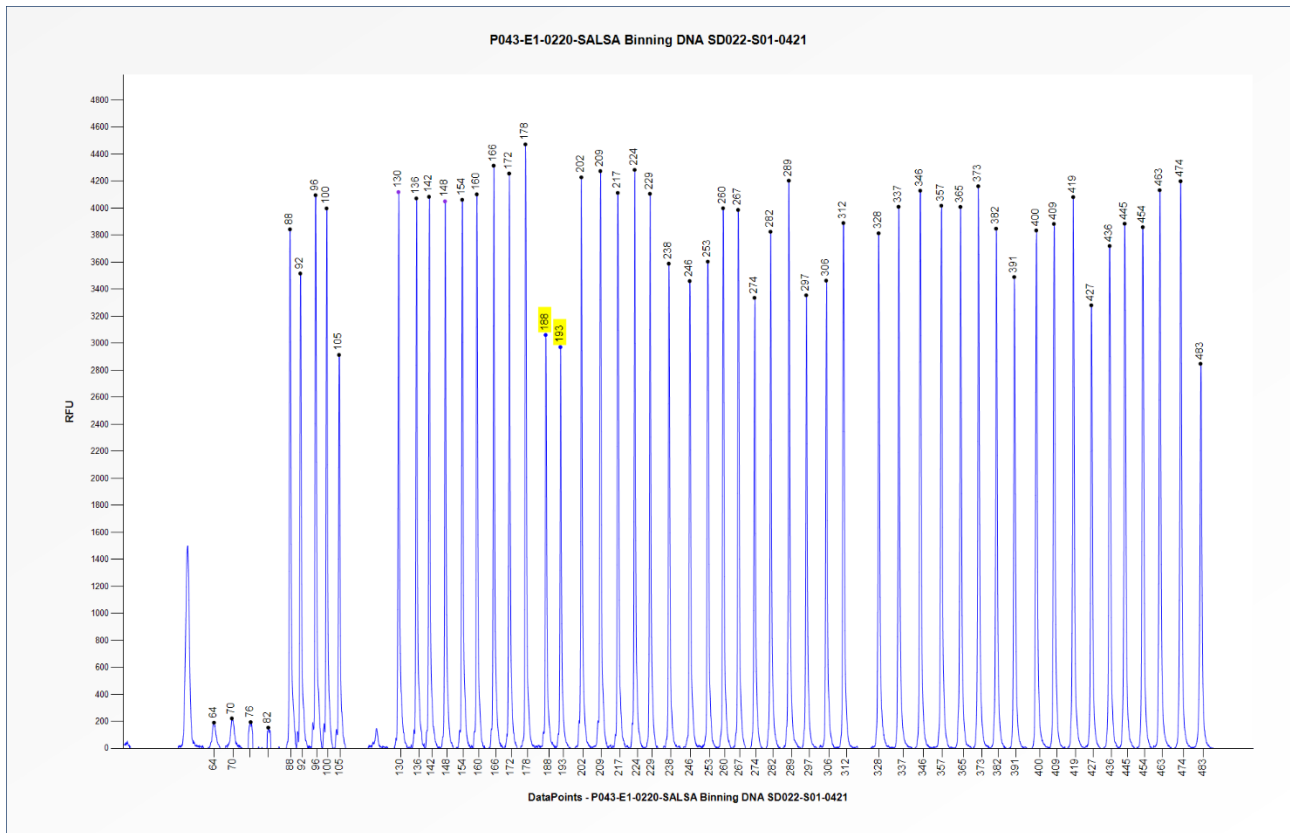


Figure 1. Capillary electrophoresis pattern from SALSA Binning DNA SD022-S01-0421 (approximately 50 ng) analysed with SALSA MLPA Probemix P043 APC (E1-0220). The locations of the *MUTYH* c.536A>G (p.Tyr179Cys) mutation-specific probe at 188 nt and the *MUTYH* c.1187G>A (p.Gly396Asp) mutation-specific probe at 193 nt are indicated. Probe peak heights may vary between different lots of the P043-E1 probemix.

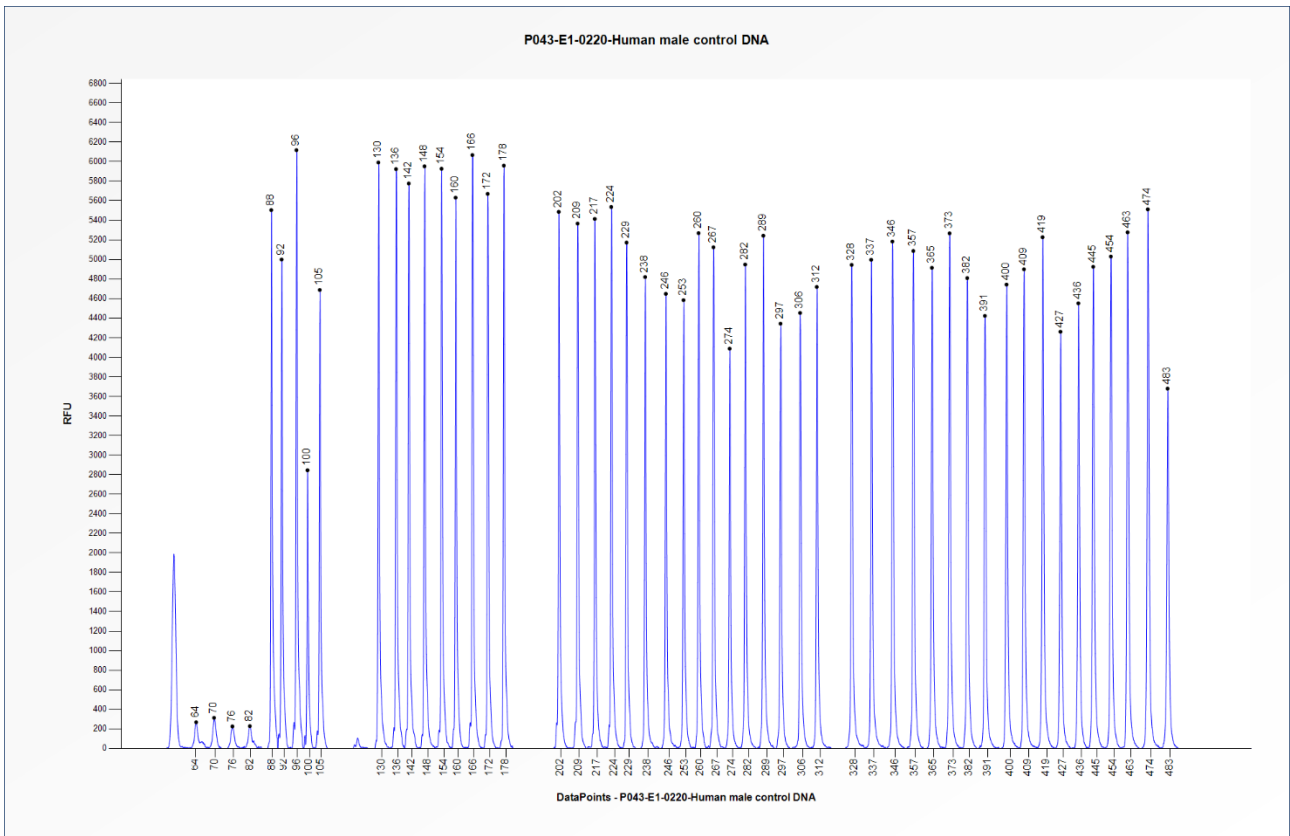


Figure 2. Capillary electrophoresis pattern from a sample of approximately 50 ng human male control DNA analysed with SALSA MLPA Probemix P043 APC (E1-0220). Probe peak heights may vary between different lots of the P043-E1 probemix.

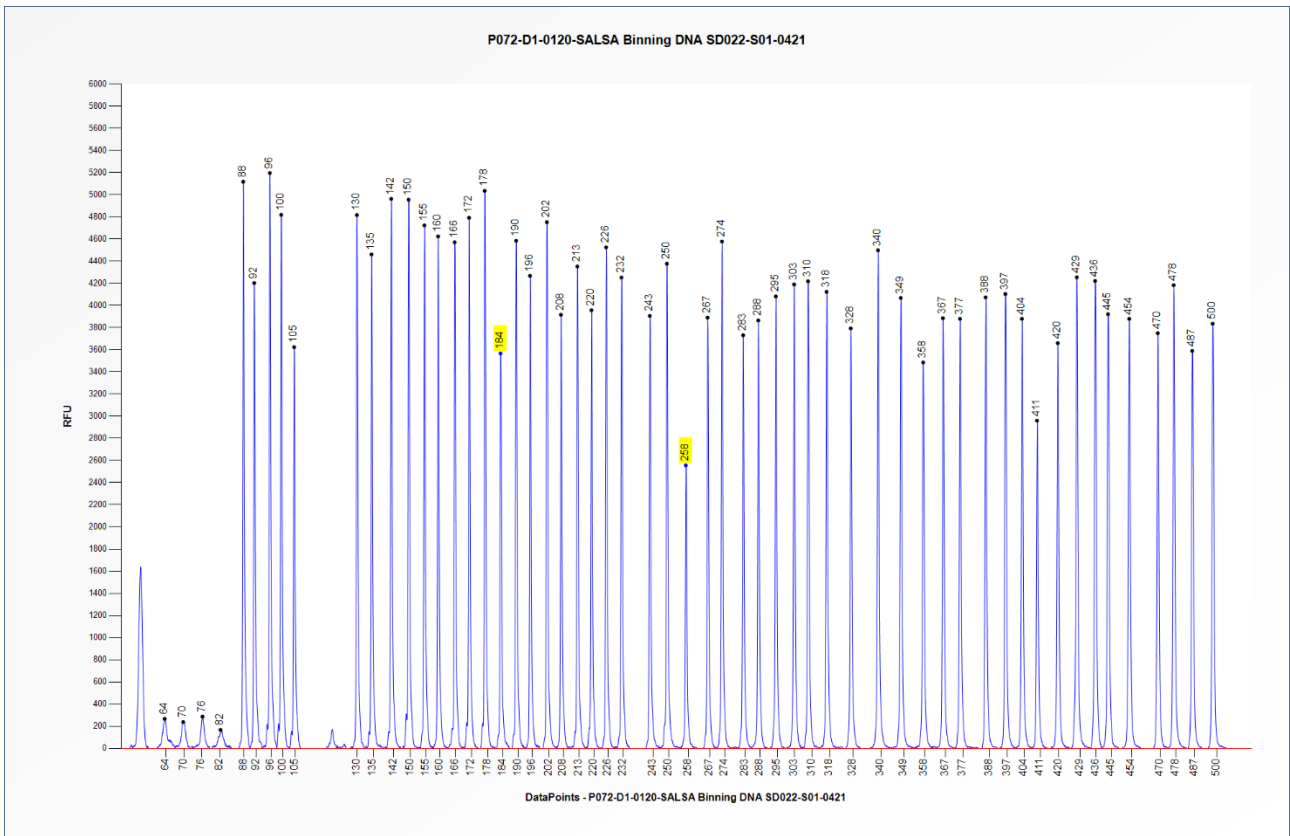


Figure 3. Capillary electrophoresis pattern from SALSA Binning DNA SD022-S01-0421 (approximately 50 ng) analysed with SALSA MLPA Probemix P072 MSH6-MUTYH (D1-0120). The locations of the *MUTYH* c.536A>G (p.Tyr179Cys) mutation-specific probe at 184 nt and the *MUTYH* c.1187G>A (p.Gly396Asp) mutation-specific probe at 258 nt are indicated. Probe peak heights may vary between different lots of the P072-D1 probemix.

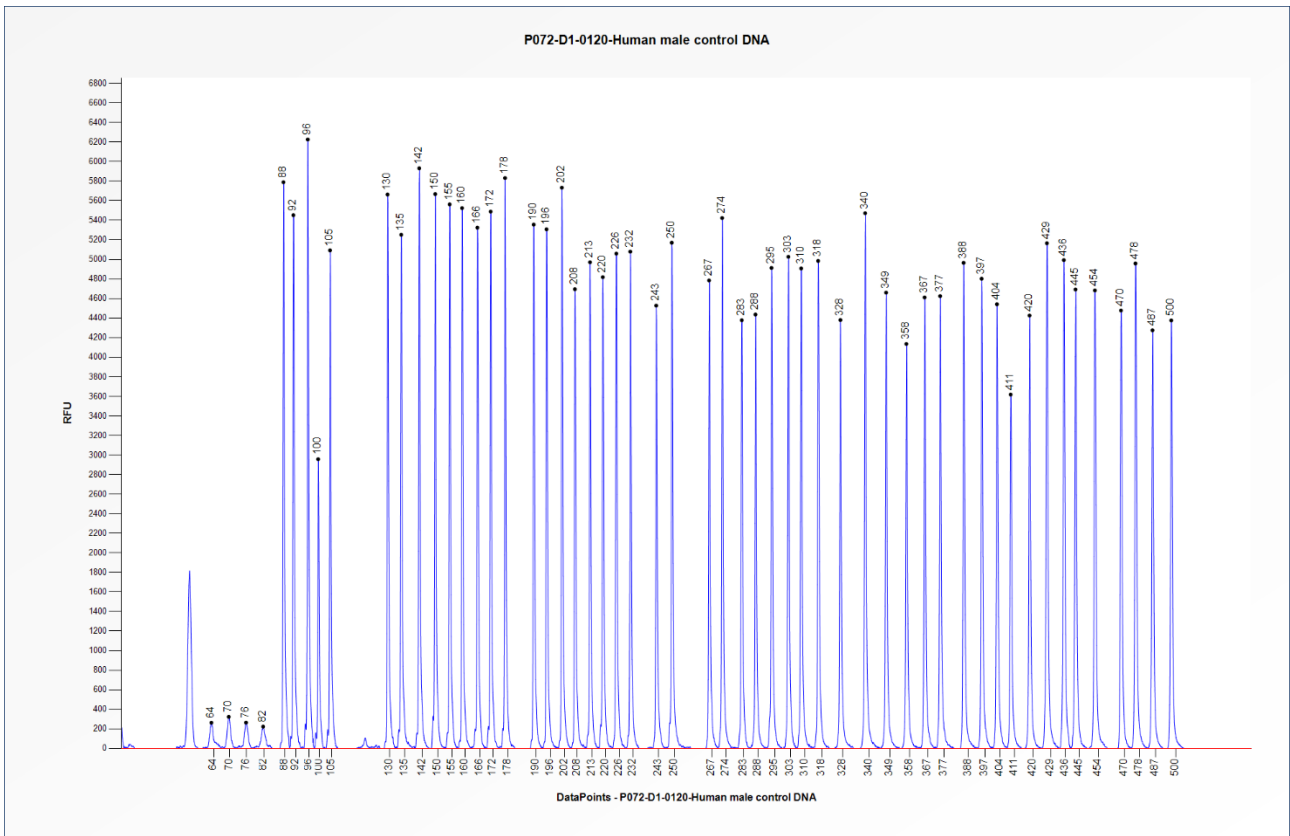


Figure 4. Capillary electrophoresis pattern from a sample of approximately 50 ng human male control DNA analysed with SALSA MLPA Probemix P072 MSH6-MUTYH (D1-0120). Probe peak heights may vary between different lots of the P072-D1 probemix.

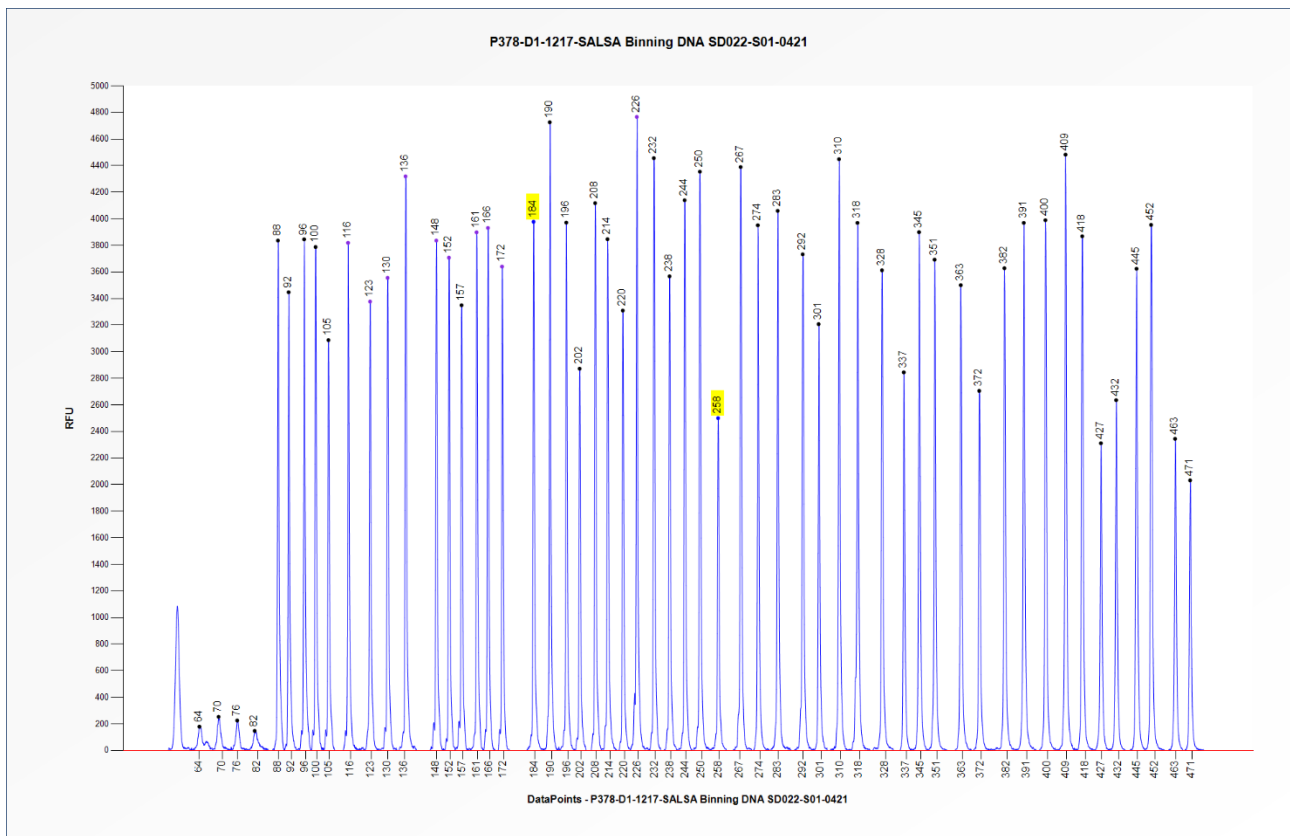


Figure 5. Capillary electrophoresis pattern from SALSA Binning DNA SD022-S01-0421 (approximately 50 ng) analysed with SALSA MLPA Probemix P378 MUTYH (D1-1217). The locations of the *MUTYH* c.536A>G (p.Tyr179Cys) mutation-specific probe at 184 nt and the *MUTYH* c.1187G>A (p.Gly396Asp) mutation-specific probe at 258 nt are indicated. Probe peak heights may vary between different lots of the P378-D1 probemix.

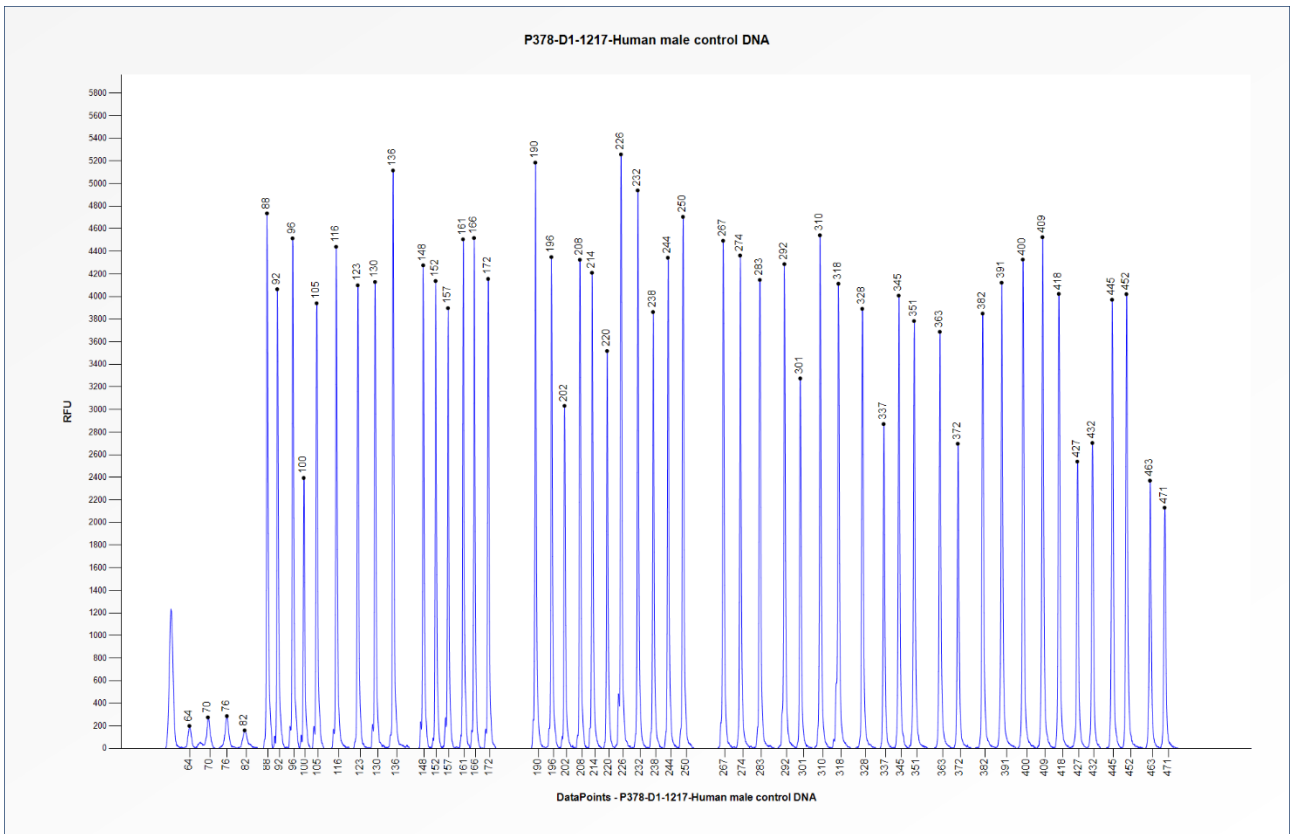


Figure 6. Capillary electrophoresis pattern from a sample of approximately 50 ng human male control DNA analysed with SALSA MLPA Probemix P378 MUTYH (D1-1217). Probe peak heights may vary between different lots of the P378-D1 probemix.

This lot was certified by MRC Holland on 17 September 2021.

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.

Implemented changes in the COA
Version 02 – 13 October 2022 (05) - COA restructured and adapted to a new template.
Version 01 – 22 September 2021 (04) - Not applicable, new document.