

## New England Biolabs Certificate of Analysis

**Product Name:** *Monarch® Spin DNA Gel Extraction Kit*  
**Catalog Number:** *T1120S*  
**Packaging Lot Number:** *10259302*  
**Expiration Date:** *11/2026*  
**Storage Temperature:** *25°C*  
**Specification Version:** *PS-T1120S/L/G v1.0*

Monarch® Spin DNA Gel Extraction Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
T2118-1	Monarch® Spin Collection Tubes	10245009	Pass
T2037-1	Monarch® Spin Columns S1A	10262777	Pass
T1121-1	Monarch® Buffer BY	10257596	Pass
T1116-21	Monarch® Buffer EY	10257595	Pass
T1115-1	Monarch® Buffer WZ	10257587	Pass

Assay Name/Specification	Lot # 10259302
<b>Functional Testing (DNA Recovery and Purity)</b> Twenty-four Monarch® Spin Columns S1A are tested with 1 µg of 1 kb DNA Ladder resulting in ≥75% recovery in ≥80% of the samples. OD 260/280 and 260/230 are ≥1.75 in ≥80% of the samples.	<b>Pass</b>
<b>Functional Testing (Gel Purification and Ligation)</b> A linear pLA3 fragment is gel purified and added to 8 Monarch® Spin Columns S1A, eluted and ligated with Blunt/TA Ligase Master Mix resulting in ≥90% conversion to a multiband pattern observed by gel electrophoresis in ≥75% of the samples.	<b>Pass</b>

This product has been tested and shown to be in compliance with all specifications.

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22 Jan 2025



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23 Jan 2025