

## D-xylose 1-dehydrogenase

Cat. No. EXWM-0078

Lot. No. (See product label)

### Introduction

**Description** This enzyme belongs to the family of oxidoreductases, specifically those acting on the CH-OH group of donor with NAD<sup>+</sup> or NADP<sup>+</sup> as acceptor. The systematic name of this enzyme class is D-xylose:NAD<sup>+</sup> 1-oxidoreductase. Other names in common use include NAD<sup>+</sup>-D-xylose dehydrogenase, D-xylose dehydrogenase, and (NAD<sup>+</sup>)-linked D-xylose dehydrogenase. This enzyme participates in pentose and glucuronate interconversions.

**Synonyms** NAD-D-xylose dehydrogenase; D-xylose dehydrogenase; (NAD)-linked D-xylose dehydrogenase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.1.1.175

**CAS No.** 62931-20-8

**Reaction** D-xylose + NAD<sup>+</sup> = D-xylonolactone + NADH + H<sup>+</sup>

**Notes** This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

### Storage and Shipping Information

**Storage** Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.