



MILWAUKEE TOOL

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To Whom It May Concern,

Milwaukee®, in partnership with Industrial Hygiene Sciences, LLC, has conducted testing on the Milwaukee M18™ FUEL™ 3-in-1 Backpack Vacuum (0895-20) with the kitted HEPA Filter (49-90-1961) paired with the M18 FUEL™ 7" / 9" Large Angle Grinder (2785-20) with a 7" Diamond Premium Blade (49-93-7020) and Cutting Dust Shroud (49-40-6110). Results show that the user will be below the Permissible Exposure Limit (PEL) as described by OSHA 29 CFR 1926.1153 when using the above combination, assuming it is used in accordance with manufacturer's instructions. Testing results and procedures are outlined below:

Units Tested	Average Sample Duration	Average Feet Cut	% Silica (Quartz) in Sample	Average Respirable Crystalline Silica Concentration (µg/m³)	OSHA PEL in 1926.1153 (µg/m³)
	60.3 minutes	32.53 ft	18.4%	25.67 µg/m³ TWA	50 µg/m³

* 1-1/4" cut depth reflects the dust generating application used in this test. The table below suggest other cutting distances and depths, based on volume of dust, would also be compliant when using the Milwaukee M18™ FUEL™ 3-in-1 Backpack Vacuum.

Details on how to properly implement as a part of a complete exposure plan are outlined below*:

Maximum Feet Cut per Day**

		Blade Width		
Cut Depth		1/16"	7/64"	1/8"
	0.25"	633'	362'	316'
	0.5"	316'	181'	158'
	0.75"	211'	120'	105'
	1"	158'	90'	79'
	1.25"	126'	72'	63'
	1.5"	105'	60'	52'
	1.75"	90'	51'	45'
	2"	79'	45'	39'
	2.25"	70'	40'	35'

*These calculations are offered for reference and are calculated values based on previously recorded test data and represent a full workday of the tested application

** The user must cut the same amount or less than the amount listed above for the given application in order to be considered compliant with the objective data clause of 29 CFR 1926.1153 OSHA regulation on crystalline silica dust.

It is the responsibility of the user to operate the tool in accordance with manufacturer's instructions. For the latest listings of approvals, visit milwaukee.com. For technical or service assistance, contact Milwaukee Customer Service at 1-800-729-3878.