

MEASUREMENT OF HYDRAULIC CONDUCTIVITY OF SATURATED POROUS MATERIALS

*USING A FLEXIBLE WALL PERMEAMETER

ASTM D 5084 - 16, METHOD C

FLUID: DEAIRED DISTILLED WATER WITH 0.01 M CaCL2

DATE: 9/14/2026
PROJECT NUMBER: 02211341
PROJECT NAME: GeoPro. Inc
LOCATION: CG + 40
SAMPLE ID: Test Reference 1
SAMPLE DESCRIPTION: Grout



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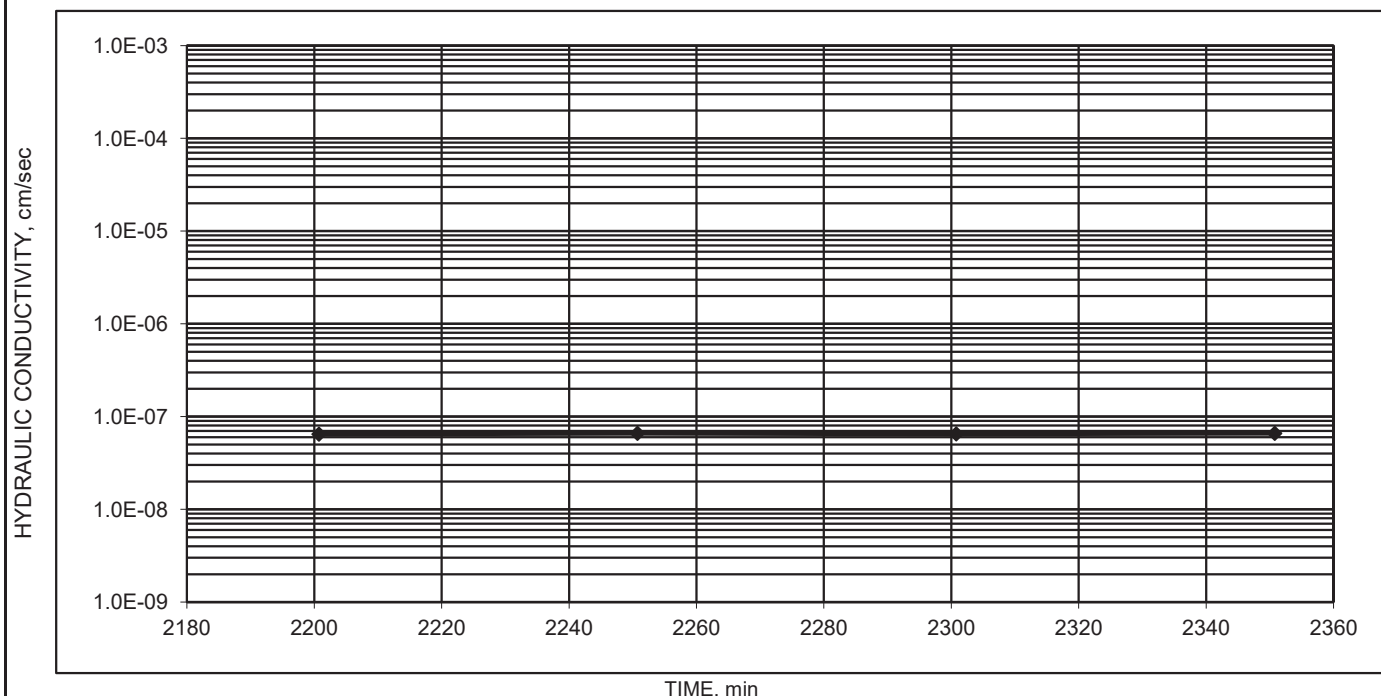
SAMPLE DATA

	INITIAL		ADDITIONAL DATA	
Moisture %:	NA		Sample Recompacted?	NA
Wet Unit Weight, pcf	66.7		Maximum Dry Density, pcf:	NA
Dry Unit Weight, pcf	NA		Optimum Moisture Content, %:	NA
Height, in.	1.00		Compaction, %:	NA
Diameter, in.	2.49		Over Optimum Moisture Content, %:	NA
Saturation, %:	NA		Specific Gravity:	NA
Void Ratio	NA		SG Assumed or Tested	NA
Porosity	NA		B-Value Parameter After Saturation:	95

PERMEATION DATA

Elapsed Time (min.)	Cell Pressure (psi)	Bottom Pressure (psi)	Top Pressure (psi)	Cell Volume (ml)	Bottom Volume (ml)	Top Volume (ml)	In Flow (ml/min.)	Out Flow (ml/min.)	Flow Ratio	Pressure Diff. (psi)	Gradient	k Value cm/sec
2201	64.00	60.49	59.81	0.392	8.057	-7.581	0.00340	0.00317	0.93	0.97	26.9	6.5E-08
2251	64.00	60.49	59.81	0.404	8.228	-7.741	0.00346	0.00323	0.93	0.97	26.9	6.6E-08
2301	64.01	60.49	59.81	0.420	8.398	-7.900	0.00340	0.00320	0.94	0.97	26.8	6.5E-08
2351	64.00	60.49	59.81	0.431	8.568	-8.065	0.00341	0.00324	0.95	0.97	26.8	6.6E-08

HYDRAULIC CONDUCTIVITY (k20), CM/SEC : **6.5E-08**



*Ran in general accordance with the above referenced ASTM Standard, with the exception of this being a grout. The grout was molded in a rigid wall container, and flexible wall permeameter was placed around the sample in the chamber.

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