`

A A

Instrument/User Details

Instrument:	ATOC-9005
User:	QPackSA
Date:	2026/08/26 09:21

A A

Benchmark Tests

Display Colors	**Status**	**Result**
Yellow	Completed	Pass
Blue	Completed	Pass
Green	Completed	Pass
Cyan	Completed	Pass
Red	Completed	Pass
Violet	Completed	Pass
White	Completed	Pass
Clear(off)	Completed	Pass
Beeper	**Status**	**Result**
beeper(on)	Completed	Pass
Motors	**Status**	**Result**
Home Motors	Completed	Pass
Needle Down	Completed	Pass
Needle Up	Completed	Pass
Arm Position A	Completed	Pass
Arm Position 30	Completed	Pass
Carrousel Move Position 5	Completed	Pass
Carrousel Move Position 12	Completed	Pass
Carrousel Move Position 8	Completed	Pass
Solenoid Valves	**Status**	**Result**
Valve no. A	Completed	Pass
Valve no. B	Completed	Pass
Valve no. C	Completed	Pass
Valve no. D	Completed	Pass
Valve no. E	Completed	Pass
Valve no. F	Completed	Pass
Valve no. G	Completed	Pass
Valve no. H	Completed	Pass
Detector	**Status**	**Result**
Detector Readings	Completed	Pass
Door Sensor	**Status**	**Result**
Door(Open/Close)	Completed	Pass
Mass Flow	**Status**	**Result**
Pressure Reading	Completed	Pass
Flow Reading	Completed	Pass
Pumper	**Status**	**Result**
Pumper Valve Pos A	Completed	Pass
Pumper Valve Pos B	Completed	Pass
Pumper Valve Pos C	Completed	Pass
Pumper Valve Pos D	Completed	Pass
Pumper Valve Pos F	Completed	Pass
Pumper Valve Pos G	Completed	Pass
Pumper Valve Pos H	Completed	Pass
Syringe Midrange(12ml)	Completed	Pass
Syringe Max(25ml)	Completed	Pass
Syringe Min(0ml)	Completed	Pass
LeakCheck	**Status**	**Result**
UV LeakCheck	Completed	Pass
IC LeakCheck	Completed	Pass

Blanks

Version: 98
Instrument: ATOC-9005
Last Saved by: QPack Soluções Analíticas Ltda (QPackSA)
Last Saved on: 2026/08/26 13:42 - quarta-feira

Acid Count: 4,84
Reagent Count: 6,8847
DI IC Count: 0
DI OC Count: 0
DI TC Count: 0
Comment:

Fusion Report - Blank - 26.08.2026 quarta-feira, 26 de agosto de 2026 01:08

(View - Reps, Unused Reps, Meta-Data, Signature, History)
Printed on 2026/08/26 13:41 - quarta-feira

Report Summary Information

Company Location:			
Schedule Name:	Blank - 26.08.2026	Engine Version:	1.1.5.2
Instrument Name:	ATOC-9005	Firmware Version:	1.2.0701
Report Version:	1 of 1	Connection:	TCP/IP: 192.168.2.102
Report Creation by Operators (schedule version):	QPack Soluções Analíticas Ltda (QPackSA) (v1)		
Comment:			

Report Results

Sample Type: Blank (Creating v97) From Schedule Version 1

	Pos	Analysis Type	Sample ID	Start Time
◈	(blank)		Reagent/Acid Blank	2026/08/26 13:08

Rep #	Base Analysis Type	Adjusted (Abs)	NDIR (Abs)	Baseline (Abs)	Pressure (psig)	Run Time
1	IC Clean	9.21	12.14	2.93	49.15	05:06
2	TC Clean	28.57	31.38	2.81	49.95	03:59
3	TC Clean	3.38	6.35	2.98	49.60	03:46
4	TC Clean	2.72	5.72	3.00	49.72	03:47
5	Reagent Blank	21.55	24.52	2.96	50.06	04:58
6	Acid Blank	4.84	8.01	3.17	48.74	05:21

Meta Data Used in this Report

Blanks

Version	Reagent (Abs)	Acid (Abs)	DI IC (Abs)	DI TC (Abs)	DI TOC (Abs)	Save Time	Operator
v96	6.7480	4.4160	0.0000	0.0000	0.0000	2026/08/26 13:05	QPack Soluções Analíticas Ltda (QPackSA)

v97	7.1847	4.8400	0.0000	0.0000	0.0000	2026/08/26 13:41	QPack Soluções Analíticas Ltda (QPackSA)

Calibrations

Methods

Acceptance / Approval

Electronic Signatures

Report Version	User Name	Acceptance	Reason	Date

Report History

Report History

Report Version	User Name	System Reason	User Reason	Date
1	QPack Soluções Analíticas Ltda (QPackSA)	Schedule completed	Schedule completed	2026/08/26 13:41

Fusion Report - Água Reagente - 26.08.2026 quarta-feira, 26 de agosto de 2026 01:54

(View - Reps, Unused Reps, Meta-Data, Signature, History)
Printed on 2026/08/26 14:05 - quarta-feira

Report Summary Information

Company Location:			
Schedule Name:	Água Reagente - 26.08.2026	Engine Version:	1.1.5.2
Instrument Name:	ATOC-9005	Firmware Version:	1.2.0701
Report Version:	1 of 1	Connection:	TCP/IP: 192.168.2.102
Report Creation by Operators (schedule version):	QPack Soluções Analíticas Ltda (QPackSA) (v1)		
Comment:			

Report Results

Sample Type: Sample — From Schedule Version 1

	Pos	Analysis Type	Sample ID	Result (ppmC)	Std. Dev. (ppmC)	RSD	Start Time
◈	1	TOC	Água Reagente	0.0619 ppm	0.0000 ppm	0.0000%	2026/08/26 13:54

Rep #	Base Analysis Type	ppm	µg	Adjusted (Abs)	NDIR (Abs)	Baseline (Abs)	Pressure (psig)	Run Time
1	TOC	0.0619	0.5572	9.86	12.62	2.76	49.60	06:26

Dilution	Blank Contribution	Method	Calibration
1:1	(TC) 5.5078 (IC) (v98)	Método 2025 (v3)	Calibração 2025 (v3)

Meta Data Used in this Report

Blanks

Version	Reagent (Abs)	Acid (Abs)	DI IC (Abs)	DI TC (Abs)	DI TOC (Abs)	Save Time	Operator
v98	6.8847	4.8400	0.0000	0.0000	0.0000	2026/08/26 13:42	QPack Soluções Analíticas Ltda (QPackSA)

Calibrations

Name: Calibração 2025 (TOC)

Version:	v3	Calibration curve formula:	TOC: y = 70.308x + 8.681

Ver Creation: 2025/09/02 14:43
r^2 value: TOC: r^2 = 0.99915
Comment:
Operator: QPack Soluções Analíticas Ltda (QPackSA)
Basic Analysis Type: TOC

Basic Analysis Type: TOC

Sample ID	Y Raw Value	X Expected	Message	End Time
DI Water	12.0490	0.0000		2025/09/02 13:46
DI Water	10.6010	0.0000		2025/09/02 13:55
0.100 ppm	17.6530	0.1000		2025/09/02 14:05
0.500 ppm	42.4250	0.5000		2025/09/02 14:14
1.000 ppm	75.4700	1.0000		2025/09/02 14:23
2.500 ppm	178.2350	2.5000		2025/09/02 14:33
5.000 ppm	364.1350	5.0000		2025/09/02 14:42

Methods

Name: Método 2025 (TOC)

Version: v3
Operator: QPack Soluções Analíticas Ltda (QPackSA)
Ver Creation: 2025/09/02 14:49
Comment: This method is designed to use the Non-Purgeable Organic Carbon (NPOC) method for TOC analysis on pharmaceutical type samples, such as water for injection (WFI), purified water and cleaning validation samples. The Low Level Filter for the NDIR setting may be set to On for this method for higher carbon levels.

Parameter	Value
SampleVolume	9.0 mL
Dilution	1:1
AcidVolume	0.5 ml
ReagentVolume	0.8 ml
UVReactorPrerinse	Off
UVReactorPrerinseVolume	0.0
NumberOfUVReactorPrerinses	1
ICSpargeTime	0.50 mins
DetectorSweepFlow	500 ml/min
PreSpargeTime	0.20 mins
SystemFlow	500 ml/min

Advanced Parameter	Value
NeedleRinseVolume	5.0 ml
VialPrimeVolume	2.0 ml
ICSamplePrimeVolume	2.0 ml
ICSpargeRinseVolume	5.0 ml
BaselineStabilizeTime	1.60 min
DetectorPressureFlow	300 ml/min
SyringeSpeedWaste	10
SyringeSpeedAcid	7
SyringeSpeedReagent	7
SyringeSpeedDIWater	7
NDIRPressurization	50 psig
SyringeSpeedSampleDispense	7
SyringeSpeedSampleAspirate	4
SyringeSpeedUVDispense	7
SyringeSpeedUVAspirate	5
SyringeSpeedICDispense	7
SyringeSpeedICAspirate	5
NDIRPressureStabilize	1.75 min
SampleMixing	Off

SampleMixingCycles	1
SampleMixingVolume	10.0
LowLevelFilterNDIR	Off

Acceptance / Approval

Electronic Signatures

Report Version	User Name	Acceptance	Reason	Date

Report History

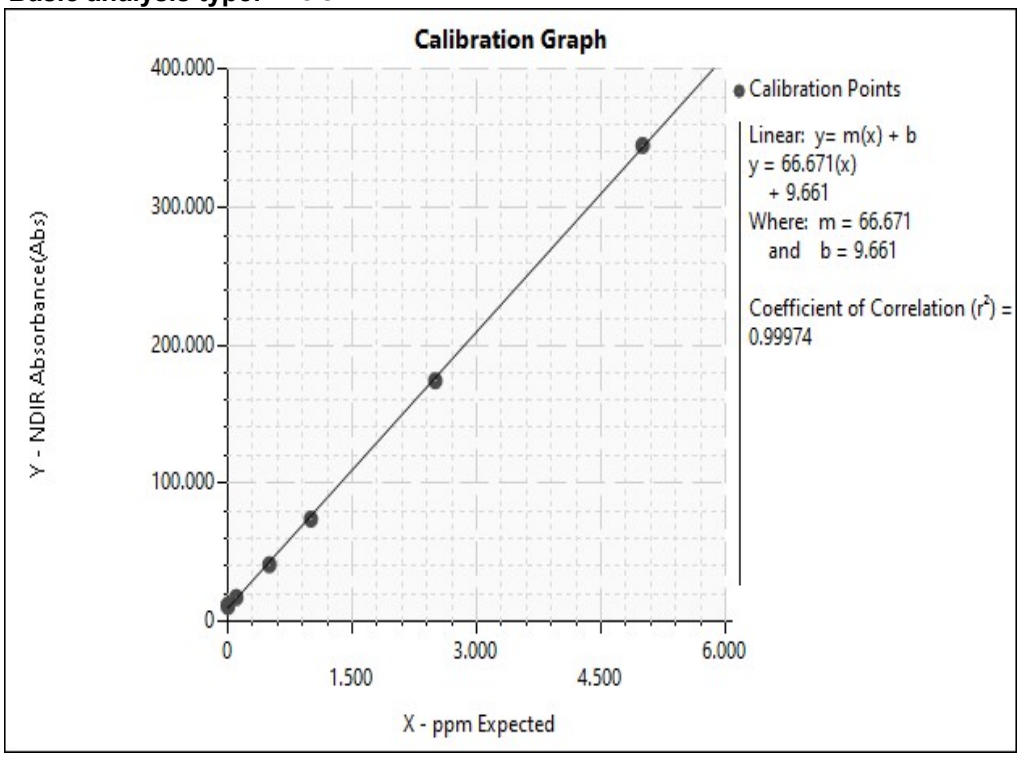
Report History

Report Version	User Name	System Reason	User Reason	Date
1	QPack Soluções Analíticas Ltda (QPackSA)	Schedule completed	Schedule completed	2026/08/26 14:04

Name: Calibração 2026

Analysis Type: TOC
Version: 1
Instrument: ATOC-9005
Last Saved by: QPack Soluções Analíticas Ltda (QPackSA)
Last Saved on: 2026/08/26 15:13 - quarta-feira

Basic analysis type: TOC



Data Points

Sample ID	Y Raw Value	X Expected	Message	End Time
DI Water	11.9790	0.0000		2026/08/26 14:16
DI Water	10.8600	0.0000		2026/08/26 14:25
0.100 ppm	17.4070	0.1000		2026/08/26 14:34
0.500 ppm	41.0790	0.5000		2026/08/26 14:44
1.000 ppm	74.0500	1.0000		2026/08/26 14:53
2.500 ppm	174.2980	2.5000		2026/08/26 15:02
5.000 ppm	344.6650	5.0000		2026/08/26 15:11

Printed on: agosto 26, 2026 15:14:02

Fusion Report - Calibração - 26.08.2026 quarta-feira, 26 de agosto de 2026 02:09

(View - Reps, Unused Reps, Meta-Data, Signature, History)
Printed on 2026/08/26 15:14 - quarta-feira

Report Summary Information

Company Location:

Schedule Name:	Calibração - 26.08.2026	Engine Version:	1.1.5.2
Instrument Name:	ATOC-9005	Firmware Version:	1.2.0701
Report Version:	1 of 1	Connection:	TCP/IP: 192.168.2.102
Report Creation by Operators (schedule version):	QPack Soluções Analíticas Ltda (QPackSA) (v1)		
Comment:			

Report Results

Sample Type: Calibration Standard: Calibração 2026 (Creating calibration Calibração 2025 v4) From Schedule Version 1

	Pos	BAT	Concentration (ppm)	STD Conc	Dil	Sample ID	Result (Abs)	Std. Dev. (Abs)	RSD	Start Time
◈	1	TOC	DI Water [0]	5 ppmC	DI	[TOC] Calibração 2026 [DI Water]	11.9790	0.0000	0%	2026/08/26 14:09
◈	1	TOC	DI Water [0]	5 ppmC	DI	[TOC] Calibração 2026 [DI Water]	10.8600	0.0000	0%	2026/08/26 14:17
◈	1	TOC	0.1000	5 ppmC	1:50	[TOC] Calibração 2026 [0.100 ppm]	17.4070	0.0000	0%	2026/08/26 14:26
◈	1	TOC	0.5000	5 ppmC	1:10	[TOC] Calibração 2026 [0.500 ppm]	41.0790	0.0000	0%	2026/08/26 14:36
◈	1	TOC	1.0000	5 ppmC	1:5	[TOC] Calibração 2026 [1.000 ppm]	74.0500	0.0000	0%	2026/08/26 14:45
◈	1	TOC	2.5000	5 ppmC	1:2	[TOC] Calibração 2026 [2.500 ppm]	174.2980	0.0000	0%	2026/08/26 14:54
◈	1	TOC	5.0000	5 ppmC	1:1	[TOC] Calibração 2026 [5.000 ppm]	344.6650	0.0000	0%	2026/08/26 15:03

Pos	Base Analysis Type	ID	Rep #	Adjusted	NDIR	Baseline	Pressure	Run Time
1	TOC	DI Water	1	11.98	14.81	2.83	50.05	06:24
1	TOC	DI Water	1	10.86	13.65	2.79	49.98	06:24
1	TOC	0.100 ppm	1	17.41	20.15	2.75	50.08	06:21
1	TOC	0.500 ppm	1	41.08	43.73	2.65	50.19	06:24
1	TOC	1.000 ppm	1	74.05	76.77	2.72	49.56	06:19
1	TOC	2.500 ppm	1	174.30	177.02	2.73	49.53	06:19

1	TOC	5.000 ppm	1	344.66	347.36	2.70	49.34	06:18

Completion State
Success - All Update Conditions met

Method
Método 2026 (v1)

Success Action
Auto (always)

Meta Data Used in this Report

Blanks

Version	Reagent (Abs)	Acid (Abs)	DI IC (Abs)	DI TC (Abs)	DI TOC (Abs)	Save Time	Operator
v98	6.8847	4.8400	0.0000	0.0000	0.0000	2026/08/26 13:42	QPack Soluções Analíticas Ltda (QPackSA)

Calibrations

Name: Calibração 2025 (TOC)

Version:	v3	Calibration curve formula:	TOC: y = 70.308x + 8.681
Ver Creation:	2025/09/02 14:43	r^2 value:	TOC: r^2 = 0.99915
Comment:			
Operator:	QPack Soluções Analíticas Ltda (QPackSA)		
Basic Analysis Type	TOC		

Basic Analysis Type: TOC

Sample ID	Y Raw Value	X Expected	Message	End Time
DI Water	12.0490	0.0000		2025/09/02 13:46
DI Water	10.6010	0.0000		2025/09/02 13:55
0.100 ppm	17.6530	0.1000		2025/09/02 14:05
0.500 ppm	42.4250	0.5000		2025/09/02 14:14
1.000 ppm	75.4700	1.0000		2025/09/02 14:23
2.500 ppm	178.2350	2.5000		2025/09/02 14:33
5.000 ppm	364.1350	5.0000		2025/09/02 14:42

Name: Calibração 2025 (TOC)

Version:	v4	Calibration curve formula:	TOC: y = 66.671x + 9.661
Ver Creation:	2026/08/26 15:12	r^2 value:	TOC: r^2 = 0.99974
Comment:			
Operator:	QPack Soluções Analíticas Ltda (QPackSA)		
Basic Analysis Type	TOC		

Basic Analysis Type: TOC

Sample ID	Y Raw Value	X Expected	Message	End Time
DI Water	11.9790	0.0000		2026/08/26 14:16
DI Water	10.8600	0.0000		2026/08/26 14:25
0.100 ppm	17.4070	0.1000		2026/08/26 14:34
0.500 ppm	41.0790	0.5000		2026/08/26 14:44
1.000 ppm	74.0500	1.0000		2026/08/26 14:53
2.500 ppm	174.2980	2.5000		2026/08/26 15:02
5.000 ppm	344.6650	5.0000		2026/08/26 15:11

Methods

Name: Método 2026 (TOC)

Version: v1

Operator: QPack Soluções Analíticas Ltda (QPackSA)

Ver Creation: 2026/08/26 14:07

Comment: This method is designed to use the Non-Purgeable Organic Carbon (NPOC) method for TOC analysis on pharmaceutical type samples, such as water for injection (WFI), purified water and cleaning validation samples. The Low Level Filter for the NDIR setting may be set to On for this method for higher carbon levels.

Parameter	Value
SampleVolume	9.0 mL
Dilution	1:1
AcidVolume	0.5 ml
ReagentVolume	0.8 ml
UVReactorPrerinse	Off
UVReactorPrerinseVolume	0.0
NumberOfUVReactorPrerinses	1
ICSpargeTime	0.50 mins
DetectorSweepFlow	500 ml/min
PreSpargeTime	0.20 mins
SystemFlow	500 ml/min

Advanced Parameter	Value
NeedleRinseVolume	5.0 ml
VialPrimeVolume	2.0 ml
ICSamplePrimeVolume	2.0 ml
ICSpargeRinseVolume	5.0 ml
BaselineStabilizeTime	1.60 min
DetectorPressureFlow	300 ml/min
SyringeSpeedWaste	10
SyringeSpeedAcid	7
SyringeSpeedReagent	7
SyringeSpeedDIWater	7
NDIRPressurization	50 psig
SyringeSpeedSampleDispense	7
SyringeSpeedSampleAspirate	4
SyringeSpeedUVDispense	7
SyringeSpeedUVAspirate	5
SyringeSpeedICDispense	7
SyringeSpeedICAspirate	5
NDIRPressureStabilize	1.75 min
SampleMixing	Off
SampleMixingCycles	1
SampleMixingVolume	10.0
LowLevelFilterNDIR	Off

Acceptance / Approval

Electronic Signatures

Report Version	User Name	Acceptance	Reason	Date

Report History

Report History

Report Version	User Name	System Reason	User Reason	Date
1	QPack Soluções Analíticas Ltda (QPackSA)	Schedule completed	Schedule completed	2026/08/26 15:12

Fusion Report - Check - 27.08.2026 quinta-feira, 27 de agosto de 2026 09:04

(View - Reps, Unused Reps, Meta-Data, Signature, History)
Printed on 2026/08/27 09:24 - quinta-feira

Report Summary Information

Company Location:			
Schedule Name:	Check - 27.08.2026	Engine Version:	1.1.5.2
Instrument Name:	ATOC-9005	Firmware Version:	1.2.0701
Report Version:	1 of 1	Connection:	TCP/IP: 192.168.2.102
Report Creation by Operators (schedule version):	QPack Soluções Analíticas Ltda (QPackSA) (v1)		
Comment:			

Report Results

Sample Type: Check Standard --> Check Standard — From Schedule Version 1

	Pos	BAT	Concentration (ppm)	Dil	Sample ID	Min / Max (% dev)	Result	Std. Dev.	RSD	Start Time
◈	1	TOC	0.6670	1:15	[TOC] Check Standard [0.667 ppm]	0.5667 / 0.7667 (85% / 115%)	**0.7036 ppm (PASS)**	0.0000 ppm	0%	2026/08/27 09:04
◈	1	TOC	2.0000	1:5	[TOC] Check Standard [2.000 ppm]	1.7000 / 2.3000 (85% / 115%)	**2.0029 ppm (PASS)**	0.0000 ppm	0%	2026/08/27 09:14

Pos	Base Analysis Type	ID	Rep #	ppm	µg	Adjusted	NDIR	Baseline	Pressure	Run Time
1	TOC	0.667 ppm	1	0.7036	6.3328	56.57	59.32	2.75	49.00	06:22
1	TOC	2.000 ppm	1	2.0029	18.0263	143.20	146.16	2.96	49.44	06:22

Completion State	Success Action	Method	Calibration	STD Conc - Pos 1
Success - Criteria met.	Do Nothing	Método 2026 (v2)	Calibração 2026 (v1)	10 ppmC

Meta Data Used in this Report

Blanks

Version	Reagent (Abs)	Acid (Abs)	DI IC (Abs)	DI TC (Abs)	DI TOC (Abs)	Save Time	Operator
v98	6.8847	4.8400	0.0000	0.0000	0.0000	2026/08/26 13:42	QPack Soluções Analíticas Ltda

							¨Q□ackSA)

Calibrations

Name: Calibração 2026 (TOC)

Version:	v1	Calibration curve formula:	TOC: y = 66.671x + 9.661
Ver Creation:	2026/08/26 15:13	r^2 value:	TOC: r^2 = 0.99974
Comment:			
Operator:	QPack Soluções Analíticas Ltda (QPackSA)		
Basic Analysis Type	TOC		

Basic Analysis Type: TOC

Sample ID	Y Raw Value	X Expected	Message	End Time
DI Water	11.9790	0.0000		2026/08/26 14:16
DI Water	10.8600	0.0000		2026/08/26 14:25
0.100 ppm	17.4070	0.1000		2026/08/26 14:34
0.500 ppm	41.0790	0.5000		2026/08/26 14:44
1.000 ppm	74.0500	1.0000		2026/08/26 14:53
2.500 ppm	174.2980	2.5000		2026/08/26 15:02
5.000 ppm	344.6650	5.0000		2026/08/26 15:11

Methods

Name: Método 2026 (TOC)

Version:	v2	Operator:	QPack Soluções Analíticas Ltda (QPackSA)
Ver Creation:	2026/08/26 15:14		
Comment:	This method is designed to use the Non-Purgeable Organic Carbon (NPOC) method for TOC analysis on pharmaceutical type samples, such as water for injection (WFI), purified water and cleaning validation samples. The Low Level Filter for the NDIR setting may be set to On for this method for higher carbon levels.		

Parameter	Value
SampleVolume	9.0 mL
Dilution	1:1
AcidVolume	0.5 ml
ReagentVolume	0.8 ml
UVReactorPrerinse	Off
UVReactorPrerinseVolume	0.0
NumberOfUVReactorPrerinses	1
ICSpargeTime	0.50 mins
DetectorSweepFlow	500 ml/min
PreSpargeTime	0.20 mins
SystemFlow	500 ml/min

Advanced Parameter	Value
NeedleRinseVolume	5.0 ml
VialPrimeVolume	2.0 ml
ICSamplePrimeVolume	2.0 ml
ICSpargeRinseVolume	5.0 ml
BaselineStabilizeTime	1.60 min
DetectorPressureFlow	300 ml/min
SyringeSpeedWaste	10
SyringeSpeedAcid	7
SyringeSpeedReagent	7
SyringeSpeedDIWater	7
NDIRPressurization	50 psig
SyringeSpeedSampleDispense	7

SyringeSpeedSampleAspirate	4
SyringeSpeedUVDispense	7
SyringeSpeedUVAspirate	5
SyringeSpeedICDispense	7
SyringeSpeedICAspirate	5
NDIRPressureStabilize	1.75 min
SampleMixing	Off
SampleMixingCycles	1
SampleMixingVolume	10.0
LowLevelFilterNDIR	Off

Acceptance / Approval

Electronic Signatures

Report Version	User Name	Acceptance	Reason	Date

Report History

Report History

Report Version	User Name	System Reason	User Reason	Date
1	QPack Soluções Analíticas Ltda (QPackSA)	Schedule completed	Schedule completed	2026/08/27 09:24

Fusion Report - Dilution - 27.08.2026 quinta-feira, 27 de agosto de 2026 09:27

(View - Reps, Unused Reps, Meta-Data, Signature, History)
Printed on 2026/08/27 09:37 - quinta-feira

Report Summary Information

Company Location:			
Schedule Name:	Dilution - 27.08.2026	Engine Version:	1.1.5.2
Instrument Name:	ATOC-9005	Firmware Version:	1.2.0701
Report Version:	1 of 1	Connection:	TCP/IP: 192.168.2.102
Report Creation by Operators (schedule version):	QPack Soluções Analíticas Ltda (QPackSA) (v1)		
Comment:			

Report Results

Sample Type: Check Standard --> Dilution — From Schedule Version 1

	Pos	BAT	Concentration (ppm)	Dil	Sample ID	Min / Max (% dev)	Result	Std. Dev.	RSD	Start Time
◈	1	TOC	1.0000	1:10	[TOC] Dilution [1.000 ppm]	0.8500 / 1.1500 (85% / 115%)	**1.0444 ppm (PASS)**	0.0000 ppm	0%	2026/08/27 09:27

Pos	Base Analysis Type	ID	Rep #	ppm	µg	Adjusted	NDIR	Baseline	Pressure	Run Time
1	TOC	1.000 ppm	1	1.0444	9.3998	79.29	82.01	2.72	49.43	06:24

Completion State	Success Action	Method	Calibration	STD Conc - Pos 1
Success - Criteria met.	Do Nothing	Método 2026 (v2)	Calibração 2026 (v1)	10 ppmC

Meta Data Used in this Report

Blanks

Version	Reagent (Abs)	Acid (Abs)	DI IC (Abs)	DI TC (Abs)	DI TOC (Abs)	Save Time	Operator
v98	6.8847	4.8400	0.0000	0.0000	0.0000	2026/08/26 13:42	QPack Soluções Analíticas Ltda (QPackSA)

Calibrations

Name: Calibração 2026 (TOC)

Version:	v1	Calibration curve formula:	TOC: y = 66.671x + 9.661
Ver Creation:	2026/08/26 15:13	r^2 value:	TOC: r^2 = 0.99974
Comment:			
Operator:	QPack Soluções Analíticas Ltda (QPackSA)		
Basic Analysis Type	TOC		

Basic Analysis Type: TOC

Sample ID	Y Raw Value	X Expected	Message	End Time
DI Water	11.9790	0.0000		2026/08/26 14:16
DI Water	10.8600	0.0000		2026/08/26 14:25
0.100 ppm	17.4070	0.1000		2026/08/26 14:34
0.500 ppm	41.0790	0.5000		2026/08/26 14:44
1.000 ppm	74.0500	1.0000		2026/08/26 14:53
2.500 ppm	174.2980	2.5000		2026/08/26 15:02
5.000 ppm	344.6650	5.0000		2026/08/26 15:11

Methods

Name: Método 2026 (TOC)

Version:	v2	Operator:	QPack Soluções Analíticas Ltda (QPackSA)
Ver Creation:	2026/08/26 15:14		
Comment:	This method is designed to use the Non-Purgeable Organic Carbon (NPOC) method for TOC analysis on pharmaceutical type samples, such as water for injection (WFI), purified water and cleaning validation samples. The Low Level Filter for the NDIR setting may be set to On for this method for higher carbon levels.		

Parameter	Value
SampleVolume	9.0 mL
Dilution	1:1
AcidVolume	0.5 ml
ReagentVolume	0.8 ml
UVReactorPrerinse	Off
UVReactorPrerinseVolume	0.0
NumberOfUVReactorPrerinses	1
ICSpargeTime	0.50 mins
DetectorSweepFlow	500 ml/min
PreSpargeTime	0.20 mins
SystemFlow	500 ml/min

Advanced Parameter	Value
NeedleRinseVolume	5.0 ml
VialPrimeVolume	2.0 ml
ICSamplePrimeVolume	2.0 ml
ICSpargeRinseVolume	5.0 ml
BaselineStabilizeTime	1.60 min
DetectorPressureFlow	300 ml/min
SyringeSpeedWaste	10
SyringeSpeedAcid	7
SyringeSpeedReagent	7
SyringeSpeedDIWater	7
NDIRPressurization	50 psig
SyringeSpeedSampleDispense	7
SyringeSpeedSampleAspirate	4
SyringeSpeedUVDispense	7
SyringeSpeedUVAspirate	5
SyringeSpeedICDispense	7
SyringeSpeedICAspirate	5
NDIRPressureStabilize	1.75 min

SampleMixing	Off
SampleMixingCycles	1
SampleMixingVolume	10.0
LowLevelFilterNDIR	Off

Acceptance / Approval

Electronic Signatures

Report Version	User Name	Acceptance	Reason	Date

Report History

Report History

Report Version	User Name	System Reason	User Reason	Date
1	QPack Soluções Analíticas Ltda (QPackSA)	Schedule completed	Schedule completed	2026/08/27 09:36

Fusion Report - System - 27.08.2026 quinta-feira, 27 de agosto de 2026 09:44

(View - Reps, Unused Reps, Meta-Data, Signature, History)
Printed on 2026/08/27 10:13 - quinta-feira

Report Summary Information

Company Location:

Schedule Name:	System - 27.08.2026	Engine Version:	1.1.5.2
Instrument Name:	ATOC-9005	Firmware Version:	1.2.0701
Report Version:	1 of 1	Connection:	TCP/IP: 192.168.2.102
Report Creation by Operators (schedule version):	QPack Soluções Analíticas Ltda (QPackSA) (v1)		
Comment:			

Report Results

Sample Type: System Suitability — From Schedule Version 1

	Pos	System Suitability Sample Type	Sample ID	Result	Std. Dev.	RSD	Start Time
◈	1	Reagent Water	[ReagentWater] System Suitability [Reagent Water]	**0.0464 ppm (PASS)**	0.0000 ppm	0%	2026/08/27 09:44
◈	2	Standard Solution	[StandardSolution] System Suitability [Sucrose (500 ppb)]	0.5426 ppm	0.0000 ppm	0%	2026/08/27 09:53
◈	3	Suitability Solution	[SuitabilitySolution] System Suitability [1,4-Benzoquinone (500 ppb)]	0.5666 ppm	0.0000 ppm	0%	2026/08/27 10:03

Response Efficiency: NaN% — Limit Response (Ru): NaN ppb
(Acceptance Criteria 85% to 115%)

Pos	Rep #	ppm	µg	Adjusted	NDIR	Baseline	Pressure	Run Time
1	1	0.0464	0.4176	8.60	11.41	2.81	49.84	06:23
2	1	0.5426	4.8831	41.68	44.43	2.75	49.37	06:21
3	1	0.5666	5.0997	43.29	46.13	2.85	49.86	06:22

Completion State	Dilution	Blank Contribution	Method	Calibration
Success - All Update Conditions met	1:1	5.5078 (v98)	Método 2026 (v2)	Calibração 2026 (v1)

Meta Data Used in this Report

Blanks

Version	Reagent (Abs)	Acid (Abs)	DI IC (Abs)	DI TC (Abs)	DI TOC (Abs)	Save Time	Operator
v98	6.8847	4.8400	0.0000	0.0000	0.0000	2026/08/26 13:42	QPack Soluções Analíticas Ltda (QPackSA)

Calibrations

Name: Calibração 2026 (TOC)

Version:	v1	Calibration curve formula:	TOC: y = 66.671x + 9.661
Ver Creation:	2026/08/26 15:13	r^2 value:	TOC: r^2 = 0.99974
Comment:			
Operator:	QPack Soluções Analíticas Ltda (QPackSA)		
Basic Analysis Type	TOC		

Basic Analysis Type: TOC

Sample ID	Y Raw Value	X Expected	Message	End Time
DI Water	11.9790	0.0000		2026/08/26 14:16
DI Water	10.8600	0.0000		2026/08/26 14:25
0.100 ppm	17.4070	0.1000		2026/08/26 14:34
0.500 ppm	41.0790	0.5000		2026/08/26 14:44
1.000 ppm	74.0500	1.0000		2026/08/26 14:53
2.500 ppm	174.2980	2.5000		2026/08/26 15:02
5.000 ppm	344.6650	5.0000		2026/08/26 15:11

Methods

Name: Método 2026 (TOC)

Version:	v2	Operator:	QPack Soluções Analíticas Ltda (QPackSA)
Ver Creation:	2026/08/26 15:14		
Comment:	This method is designed to use the Non-Purgeable Organic Carbon (NPOC) method for TOC analysis on pharmaceutical type samples, such as water for injection (WFI), purified water and cleaning validation samples. The Low Level Filter for the NDIR setting may be set to On for this method for higher carbon levels.		

Parameter	Value
SampleVolume	9.0 mL
Dilution	1:1
AcidVolume	0.5 ml
ReagentVolume	0.8 ml
UVReactorPrerinse	Off
UVReactorPrerinseVolume	0.0
NumberOfUVReactorPrerinses	1
ICSpargeTime	0.50 mins

Advanced Parameter	Value
NeedleRinseVolume	5.0 ml
VialPrimeVolume	2.0 ml
ICSamplePrimeVolume	2.0 ml
ICSpargeRinseVolume	5.0 ml
BaselineStabilizeTime	1.60 min
DetectorPressureFlow	300 ml/min
SyringeSpeedWaste	10
SyringeSpeedAcid	7

DetectorSweepFlow	500 ml/min
PreSpargeTime	0.20 mins
SystemFlow	500 ml/min

SyringeSpeedReagent	7
SyringeSpeedDIWater	7
NDIRPressurization	50 psig
SyringeSpeedSampleDispense	7
SyringeSpeedSampleAspirate	4
SyringeSpeedUVDispense	7
SyringeSpeedUVAspirate	5
SyringeSpeedICDispense	7
SyringeSpeedICAspirate	5
NDIRPressureStabilize	1.75 min
SampleMixing	Off
SampleMixingCycles	1
SampleMixingVolume	10.0
LowLevelFilterNDIR	Off

Acceptance / Approval

Electronic Signatures

Report Version	User Name	Acceptance	Reason	Date

Report History

Report History

Report Version	User Name	System Reason	User Reason	Date
1	QPack Soluções Analíticas Ltda (QPackSA)	Schedule completed	Schedule completed	2026/08/27 10:13