	Clover Germany	Type/Model OEM:		
Lot/Part number:	DPCTN325YE	Toner color(s):	YELLOW	
Main application:	To be used on the relevant prir	nters according to remanufactur	er instructions	
Intended yield:		Take over value of		•
	E68452E2J281853	existing test protocol:		Yes, from ISO19798
Test climate: Temperature:	24	Relative humidity:	45	
Deviations of the determined test conditions	Aleksandar Kojic	Test location 2):	CLOVER SERBIA	1
Test date:	29.08.2018			l
1) If values are taken over from test protocol, the signing person is respon	sible, that the protocols, from w	hich the values have been take	n off, are plausible and correct.	
 Either testing place or place where the protocol is made Test sample (A) 	Type	Used for valuation		Charge/Serial number
	3991	Yes		Sample 1
2		Yes		Sample 2
3		Yes		Sample 3
4	3615	Yes	, -	Sample 4
5	3895	Yes	MEDIAN and for A3 the	Sample 5
6		Yes	MIN value of the list at	Sample 6
7	3615	Yes	left	Sample 7
8	3789	Yes		Sample 8
	3850	Yes		Sample 9
Comparing Sample (B)	Туре	Used for valuation		Charge/Serial number
1	3500	Yes/no	Yes	OEM Sample/Spec
OEM data taken from OEMs own	3500	Yes/no		OEM Sample/Spec
ISO19752 or ISO19798 declarations of	3500	Yes/no		OEM Sample/Spec
yield 4	3300	Yes/no		OLIVI Gampic/Opec
5		Yes/no		
3		Tes/110		
Administrative checking of health related attributes (F	2)			
Administrative checking of health related attributes (5.2 Is there an EG- Safety Data Sheet of the used toner?	2)		Yes/no	Voc
	t. Data Chast		165/110	res
If there are no information of the AMES test in the EG Safe	•		V/	Niar Andraski
Is there a test report about the AMES test of the used tone			res/no	Not Aplicable
If not: Description	All MSDSs mention Ame	es test		
	(5.0)			
Checking the influence of the toner module on the prin	ter (5.3)			
Is the toner leaking less than the original?			Yes/no	
Is the interaction between printer and toner module accept	able?		Yes/no	Yes
If not: Description				
Checking the initialization (5.4)				
Is the print out acceptable right after the toner module has				
The same production of the same same same same same same same sam	been inserted?		Yes/no	Yes
If not: Describe fault			Yes/no	Yes
			Yes/no	Yes
If not: Describe fault			Yes/no	Yes
	YELLOW	2		_
If not: Describe fault Checking the yield number (5.5)	YELLOW 1	2	3	Average (Ā or V)
If not: Describe fault Checking the yield number (5.5) Yield A: (A1+A2+A3)/3= Ā	YELLOW 1 3996	3878	3	Average (Ā or V)
If not: Describe fault Checking the yield number (5.5) Yield A: (A1+A2+A3)/3=Ā Yield V: (V1+V2+V3)/3=V	YELLOW 1 3996		3	Average (Ā or V)
If not: Describe fault Checking the yield number (5.5) Yield A: (A1+A2+A3)/3=Ā Yield V: (V1+V2+V3)/3=V Alternative:	YELLOW 1 3996	3878	3	Average (Ā or V)
If not: Describe fault Checking the yield number (5.5) Yield A: (A1+A2+A3)/3= Ā Yield V: (V1+V2+V3)/3=V Alternative: Yield A: Result of test after ISO/IEC 19752 Ā	YELLOW 1 3996	3878	3	Average (Ā or V)
If not: Describe fault Checking the yield number (5.5) Yield A: (A1+A2+A3)/3= Ā Yield V: (V1+V2+V3)/3=V Alternative: Yield A: Result of test after ISO/IEC 19752 Ā Reference to the test protocol:	YELLOW 1 3996	3878	3	Average (Ā or V)
If not: Describe fault Checking the yield number (5.5) Yield A: (A1+A2+A3)/3= Ā Yield V: (V1+V2+V3)/3=V Alternative: Yield A: Result of test after ISO/IEC 19752 Ā Reference to the test protocol: Test date:	YELLOW 1 3996	3878	3	Average (Ā or V)
If not: Describe fault Checking the yield number (5.5) Yield A: (A1+A2+A3)/3= Ā Yield V: (V1+V2+V3)/3=V Alternative: Yield A: Result of test after ISO/IEC 19752 Ā Reference to the test protocol:	YELLOW 1 3996	3878	3	Average (Ā or V)
If not: Describe fault Checking the yield number (5.5) Yield A: (A1+A2+A3)/3= Ā Yield V: (V1+V2+V3)/3=V Alternative: Yield A: Result of test after ISO/IEC 19752 Ā Reference to the test protocol: Test date:	YELLOW 1 3996	3878	3	Average (Ā or V)
Checking the yield number (5.5) Yield A: (A1+A2+A3)/3=Ā Yield V: (V1+V2+V3)/3=V Alternative: Yield A: Result of test after ISO/IEC 19752Ā Reference to the test protocol: Test date: Yield V: Result of test after ISO/IEC 19752 V Reference to the test protocol: Test date: Test date: Test date:	YELLOW 1 3996 3500	3878	3	Average (Ā or V)
If not: Describe fault Checking the yield number (5.5) Yield A: (A1+A2+A3)/3= Ā Yield V: (V1+V2+V3)/3=V Alternative: Yield A: Result of test after ISO/IEC 19752 Ā Reference to the test protocol: Test date: Yield V: Result of test after ISO/IEC 19752 V Reference to the test protocol:	YELLOW 1 3996 3500	3878	3	Average (Ā or V)
Checking the yield number (5.5) Yield A: (A1+A2+A3)/3=Ā Yield V: (V1+V2+V3)/3=V Alternative: Yield A: Result of test after ISO/IEC 19752Ā Reference to the test protocol: Test date: Yield V: Result of test after ISO/IEC 19752 V Reference to the test protocol: Test date: Test date: Test date:	YELLOW 1 3996 3500	3878	3	Average (Ā or V) 3830 3500
Checking the yield number (5.5) Yield A: (A1+A2+A3)/3=Ā Yield V: (V1+V2+V3)/3=V Alternative: Yield A: Result of test after ISO/IEC 19752Ā Reference to the test protocol: Test date: Yield V: Result of test after ISO/IEC 19752 V Reference to the test protocol: Test date: Test date: Test date:	YELLOW 1 3996 3500	3878 3500	3 3615 3500	Average (Ā or V) 3830 3500
If not: Describe fault Checking the yield number (5.5) Yield A: (A1+A2+A3)/3= Ā Yield V: (V1+V2+V3)/3=V Alternative: Yield A: Result of test after ISO/IEC 19752 Ā Reference to the test protocol: Test date: Yield V: Result of test after ISO/IEC 19752 V Reference to the test protocol: Test date: Result: EZ=Ā/V	YELLOW 1 3996 3500	3878 3500 Yes	3 3615 3500	Average (Ā or V) 3830 3500
Checking the yield number (5.5) Yield A: (A1+A2+A3)/3=Ā Yield V: (V1+V2+V3)/3=V Alternative: Yield A: Result of test after ISO/IEC 19752 Ā Reference to the test protocol: Test date: Yield V: Result of test after ISO/IEC 19752 V Reference to the test protocol: Test date: Yield V: Result of test after ISO/IEC 19752 V Reference to the test protocol: Test date: Result: EZ=Ā/V Is the expected yield (EZ) reached?	YELLOW 1 3996 3500	3878 3500 Yes YES	3 3615 3500	Average (Ā or V) 3830 3500
Checking the yield number (5.5) Yield A: (A1+A2+A3)/3=Ā Yield V: (V1+V2+V3)/3=V Alternative: Yield A: Result of test after ISO/IEC 19752 Ā Reference to the test protocol: Test date: Yield V: Result of test after ISO/IEC 19752 V Reference to the test protocol: Test date: Yield V: Result of test after ISO/IEC 19752 V Reference to the test protocol: Test date: Result: EZ=Ā/V Is the expected yield (EZ) reached?	YELLOW 1 3996 3500	3878 3500 Yes YES	3 3615 3500	Average (Ā or V) 3830 3500
Checking the yield number (5.5) Yield A: (A1+A2+A3)/3= Ā Yield V: (V1+V2+V3)/3=V Alternative: Yield A: Result of test after ISO/IEC 19752 Ā Reference to the test protocol: Test date: Yield V: Result of test after ISO/IEC 19752 V Reference to the test protocol: Test date: Reference to the test protocol: Test date: Result: EZ=Ā/V Is the expected yield (EZ) reached? Is the expected page yield reached? Checking the black print/Color reproduction (5.6.2)	YELLOW 1 3996 3500	3878 3500 Yes YES	3 3615 3500	Average (Ā or V) 3830 3500
Checking the yield number (5.5) Yield A: (A1+A2+A3)/3= Ā Yield V: (V1+V2+V3)/3=V Alternative: Yield A: Result of test after ISO/IEC 19752 Ā Reference to the test protocol: Test date: Yield V: Result of test after ISO/IEC 19752 V Reference to the test protocol: Test date: Yield V: Result of test after ISO/IEC 19752 V Reference to the test protocol: Test date: Result: EZ=Ā/V Is the expected yield (EZ) reached? Is the expected page yield reached? Checking the black print/Color reproduction (5.6.2) Average value of the 2 areas F test print A1:	YELLOW 1 3996 3500	3878 3500 Yes YES	3 3615 3500	Average (Ā or V) 3830 3500
Checking the yield number (5.5) Yield A: (A1+A2+A3)/3= Ā Yield V: (V1+V2+V3)/3=V Alternative: Yield A: Result of test after ISO/IEC 19752 Ā Reference to the test protocol: Test date: Yield V: Result of test after ISO/IEC 19752 V Reference to the test protocol: Test date: Reference to the test protocol: Test date: Result: EZ=Ā/V Is the expected yield (EZ) reached? Is the expected page yield reached? Checking the black print/Color reproduction (5.6.2)	YELLOW 1 3996 3500	3878 3500 Yes YES	3 3615 3500	Average (Ā or V) 3830 3500
Checking the yield number (5.5) Yield A: (A1+A2+A3)/3= Ā Yield V: (V1+V2+V3)/3=V Alternative: Yield A: Result of test after ISO/IEC 19752 Ā Reference to the test protocol: Test date: Yield V: Result of test after ISO/IEC 19752 V Reference to the test protocol: Test date: Yield V: Result of test after ISO/IEC 19752 V Reference to the test protocol: Test date: Result: EZ=Ā/V Is the expected yield (EZ) reached? Is the expected page yield reached? Checking the black print/Color reproduction (5.6.2) Average value of the 2 areas F test print A1: Average value of the 2 areas F comparing print V1:	YELLOW 1 3996 3500	3878 3500 Yes YES	3 3615 3500	Average (Ā or V) 3830 3500
Checking the yield number (5.5) Yield A: (A1+A2+A3)/3= Ā Yield V: (V1+V2+V3)/3=V Alternative: Yield A: Result of test after ISO/IEC 19752 Ā Reference to the test protocol: Test date: Yield V: Result of test after ISO/IEC 19752 V Reference to the test protocol: Test date: Yield V: Result of test after ISO/IEC 19752 V Reference to the test protocol: Test date: Result: EZ=Ā/V Is the expected yield (EZ) reached? Is the expected page yield reached? Checking the black print/Color reproduction (5.6.2) Average value of the 2 areas F test print A1:	YELLOW 1 3996 3500 84.2 80.1 Not Aplicable	3878 3500 Yes YES	3 3615 3500 No	Average (Ā or V) 3830 3500 1.09 Not Aplicable
Test date: Result of test after ISO/IEC 19752 Ā Reference to the test protocol: Test date: Yield V: Result of test after ISO/IEC 19752 Ā Reference to the test protocol: Test date: Yield V: Result of test after ISO/IEC 19752 V Reference to the test protocol: Test date: Yield V: Result of test after ISO/IEC 19752 V Reference to the test protocol: Test date: Result: EZ=Ā/V Is the expected yield (EZ) reached? Is the expected page yield reached? Checking the black print/Color reproduction (5.6.2) Average value of the 2 areas F test print A1: Average value of the 2 areas F comparing print V1: Difference is not higher than Δ≤5 for Monochrom Color difference ΔE≤18 for Color	YELLOW 1 3996 3500 84.2 80.1 Not Aplicable 4.1	3878 3500 Yes YES	3 3615 3500 No Yes/No/Not Aplicable	Average (Ā or V) 3830 3500 1.09 Not Aplicable
Test date: Yield V: (N1+N2+N3)/3=Ā Yield V: (V1+V2+V3)/3=V Alternative: Yield A: Result of test after ISO/IEC 19752Ā Reference to the test protocol: Test date: Yield V: Result of test after ISO/IEC 19752 V Reference to the test protocol: Test date: Yield V: Result of test after ISO/IEC 19752 V Reference to the test protocol: Test date: Result: EZ=Ā/V Is the expected yield (EZ) reached? Is the expected page yield reached? Checking the black print/Color reproduction (5.6.2) Average value of the 2 areas F test print A1: Average value of the 2 areas F comparing print V1: Difference is not higher than Δ≤5 for Monochrom Color difference ΔE≤18 for Color Average value of the 2 areas F test print A2:	YELLOW 1 3996 3500 84.2 80.1 Not Aplicable 4.1 86.3	3878 3500 Yes YES	3 3615 3500 No Yes/No/Not Aplicable	Average (Ā or V) 3830 3500 1.09 Not Aplicable
Checking the yield number (5.5) Yield A: (A1+A2+A3)/3= Ā Yield V: (V1+V2+V3)/3=V Alternative: Yield A: Result of test after ISO/IEC 19752 Ā Reference to the test protocol: Test date: Yield V: Result of test after ISO/IEC 19752 V Reference to the test protocol: Test date: Yield V: Result of test after ISO/IEC 19752 V Reference to the test protocol: Test date: Result: EZ=Ā/V Is the expected yield (EZ) reached? Is the expected page yield reached? Checking the black print/Color reproduction (5.6.2) Average value of the 2 areas F test print A1: Average value of the 2 areas F comparing print V1: Difference is not higher than Δ≤5 for Monochrom Color difference ΔE≤18 for Color Average value of the 2 areas F test print A2: Average value of the 2 areas F test print A2:	YELLOW 1 3996 3500 84.2 80.1 Not Aplicable 4.1 86.3 80	3878 3500 Yes YES	3 3615 3500 No No Yes/No/Not Aplicable Yes/No/Not Aplicable	Average (Ā or V) 3830 3500 1.09 Not Aplicable Not Aplicable
Checking the yield number (5.5) Yield A: (A1+A2+A3)/3= Ā Yield V: (V1+V2+V3)/3=V Alternative: Yield A: Result of test after ISO/IEC 19752 Ā Reference to the test protocol: Test date: Yield V: Result of test after ISO/IEC 19752 V Reference to the test protocol: Test date: Yield V: Result of test after ISO/IEC 19752 V Reference to the test protocol: Test date: Result: EZ=Ā/V Is the expected yield (EZ) reached? Is the expected page yield reached? Checking the black print/Color reproduction (5.6.2) Average value of the 2 areas F test print A1: Average value of the 2 areas F comparing print V1: Difference is not higher than Δ≤5 for Monochrom Color difference ΔE≤18 for Color Average value of the 2 areas F test print A2: Average value of the 2 areas F comparing print V2: Difference is not higher than Δ≤5 for Monochrom	YELLOW 1 3996 3500 84.2 80.1 Not Aplicable 4.1 86.3 80 Not Aplicable	3878 3500 Yes YES	3 3615 3500 No Yes/No/Not Aplicable Yes/No/Not Aplicable Yes/No/Not Aplicable	Average (Ā or V) 3830 3500 1.09 Not Aplicable Not Aplicable Yes
Tield A: (A1+A2+A3)/3= Ā Yield A: (A1+A2+A3)/3= Ā Yield V: (V1+V2+V3)/3=V Alternative: Yield A: Result of test after ISO/IEC 19752 Ā Reference to the test protocol: Test date: Yield V: Result of test after ISO/IEC 19752 V Reference to the test protocol: Test date: Yield V: Result of test after ISO/IEC 19752 V Reference to the test protocol: Test date: Result: EZ=Ā/V Is the expected yield (EZ) reached? Is the expected page yield reached? Checking the black print/Color reproduction (5.6.2) Average value of the 2 areas F test print A1: Average value of the 2 areas F comparing print V1: Difference is not higher than Δ≤5 for Monochrom Color difference ΔE≤18 for Color Average value of the 2 areas F comparing print V2: Difference is not higher than Δ≤5 for Monochrom Color difference ΔE≤18 for Color	YELLOW 1 3996 3500 84.2 80.1 Not Aplicable 4.1 86.3 80 Not Aplicable 6.3	3878 3500 Yes YES	3 3615 3500 No No Yes/No/Not Aplicable Yes/No/Not Aplicable	Average (Ā or V) 3830 3500 1.09 Not Aplicable Not Aplicable
Checking the yield number (5.5) Yield A: (A1+A2+A3)/3= Ā Yield V: (V1+V2+V3)/3=V Alternative: Yield A: Result of test after ISO/IEC 19752 Ā Reference to the test protocol: Test date: Yield V: Result of test after ISO/IEC 19752 V Reference to the test protocol: Test date: Yield V: Result of test after ISO/IEC 19752 V Reference to the test protocol: Test date: Result: EZ=Ā/V Is the expected yield (EZ) reached? Is the expected page yield reached? Checking the black print/Color reproduction (5.6.2) Average value of the 2 areas F test print A1: Average value of the 2 areas F comparing print V1: Difference is not higher than Δ≤5 for Monochrom Color difference ΔE≤18 for Color Average value of the 2 areas F test print A2: Average value of the 2 areas F comparing print V2: Difference is not higher than Δ≤5 for Monochrom	YELLOW 1 3996 3500 84.2 80.1 Not Aplicable 4.1 86.3 80 Not Aplicable	3878 3500 Yes YES	3 3615 3500 No Yes/No/Not Aplicable Yes/No/Not Aplicable Yes/No/Not Aplicable	Average (Ā or V) 3830 3500 1.09 Not Aplicable Not Aplicable Yes

	er than Δ≤5 for Monochrom r difference ΔE≤18 for Color	Not Aplicable	6			s/No/Not A s/No/Not A		Not A	plicable Yes
Checking the fade (5.6.3)		YELLOW							
3 · · · · · · · · · · · · · · · · · · ·	Test print A1	_							
	Color values 1 6 A F	11	04.4	6	00	Α	00.0	F	00
	after 50 pages Color values 1 6 A F	1	91.4	6	90	А	86.6	F	83
	The biggest deviation	I	0.6	0	0.9	^	1.5	Г	2.4
	Comparing print V1				9.51				
	Color values 1 6 A F	1		6		Α		F	
	after 50 pages	4	90		87.8	Δ	84.2		81
	Color values 1 6 A F The biggest deviation	1	0.3	6	1.3	A	1.6	F	2.1
			0.5		1.0	^	1.0		2.1
	Result determination Difference ∆L≤8	1	0.3	6	0.4	A	0.1	F	0.3
Difference	e within allowed parameters	YES	YES		YES		YES		0.5
	- · · · · · · · · · · · · · · · · · · ·				19		1		
	Test print A2								
	Color values 1 6 A F	1	00.7	6	90.9	A	96.6	F	00.0
	after 50 pages Color values 1 6 A F	1	90.7	6	90.9	A	86.6	F	86.6
	The biggest deviation		1.8	U	0.2	Λ.	1.7		0.5
	Comparing print V2						· I		
	Color values 1 6 A F	1		6		Α	•	F	
	after 50 pages		90.5		87.1		84.7		80.9
	Color values 1 6 A F The biggest deviation	1	1.2	6	1.3	Α	2.5	F	2.2
			1.2		1.3		2.5		2.2
	Result determination Difference ∆L≤8	1	1	6	1.1	Α	0.8	F	1.7
Difference	billerence ΔL≤o e within allowed parameters	YES	YES		YES		YES		1.7
Dinorono.	within anowed parameters		1120		1.20		1.20		
	Test print A3	YELLOW							
	Color values 1 6 A F	1	1	6		Α		F	
	after 50 pages[Color values 1 6 A F	1	91.8	-	90.9	^	88.2	F	86.4
	The biggest deviation	1	0.9	6	0.4	A	0.8	г	0.8
	Comparing print V2		0.0		0.1		0.0		0.0
	Color values 1 6 A F	1		6		Α		F	
	after 50 pages		90.2		87.4		83.8		80.8
	Color values 1 6 A F	1	1.6	6	0.7	A	1.5	F	2.4
	The biggest deviation		1.6		0.7		1.5		2.1
	Result determination	1	0.7	6	0.0	A	0.7	F	4.0
Difference	Difference ∆L≤8 e within allowed parameters	YES	0.7 YES		0.3 YES		0.7 YES		1.3
Billerenee	within anowed parameters	120	1120		1120		1120		
	Checking toner adhesition ocess: visual (tape method):								
lo the registering to be true	ha accontable reservoire 2								V
Is the resistance in between t	ne acceptable parameters? If not: Describe deviation								Yes
	ii not. Describe deviation								
Checking the grey pa	ge/color uniformity (5.6.5)								
	s in between the acceptable								
parame	ters (pattern B2-B5) ∆E≤8 ?								Yes
	If not: Describe deviation								
Checki	ing the background (5.6.6)								
	dge between the acceptable								
	arameters (pattern B1-B5)?								Yes
	If not: Describe deviation								
O.L.	ocking the abouting (F.C.7)								
	ecking the ghosting (5.6.7) k rectangles in between the								
	arameters (pattern B2-B5)?								Yes
ασσοριασίο ρ	If not: Describe deviation								. 55
	ng toner miscibility (5.6.8)								. 1/2
Is	s the toner miscibility given? If not: Describe deviation								N/A
	ii iiot. Describe deviation								
	1								

OVERALL RESULT: Passed