

Eckart GmbH
 Günterstal 4
91235 Hartenstein
 GERMANY

25 March 2021/DI44

Confirmation about the deinkability of a printed product

1. Test

The specified print product was tested according to INGEDE Method 11 and assessed according to the “Assessment of Printed Product Recyclability – Deinkability Score” (EPRC 2017).

2. Specifications:

Print product (name, incl. issue):	Laboratory samples with silver coloured rotogravure decoration, otherwise unprinted
Paper:	Invercote T, 220 g/m ²
Paper manufacturer:	Iggesund
Paper surface (coated/uncoated/surface sized):	coated (HWC)
Printing process, Printing machine:	unprinted; possible printing was not to be tested
Printing inks:	RotoStar aqua FP 10-41001 (aqueous flexo ink system based on a cornflake aluminum pigment)

3. Total result

The samples were rated according to the benchmarking category “magazine coated”.

The total score is 100 out of 100 achievable points.

The overall deinkability of the current print product is “**good**”.

For an ecolabel application, more details about the printed product might be required.

4. Single Scores

	Brightness Y	Colour a*	Dirt speck area A>50	Dirt speck area A>250	IE	ΔY	Total
Laboratory sample RotoStar aqua FP 10-41001	35	20	15	10	10	10	100
Max. achievable scores	35	20	15	10	10	10	100

5. Evaluation of the result

The deinkability is rated according to the following scheme:

Score	Evaluation of deinkability	Laboratory sample "RotoStar aqua"
71 to 100 Points	Good	x
51 to 70 Points	Fair	
0 to 50 Points	Poor	
Negative (failed to meet one or more thresholds)	Not suitable for deinking	

Print sample tested



Eckart GmbH
 Günterstal 4
 91235 Hartenstein

25 March 2021/DI45

Confirmation about the deinkability of a printed product

1. Test

The specified print product was tested according to INGEDE Method 11 and assessed according to the “Assessment of Printed Product Recyclability – Deinkability Score” (EPRC 2017).

2. Specifications:

Print product (name, incl. issue):	Laboratory Samples “Bottle packaging” with silver coloured rotogravure decoration, otherwise unprinted
Paper:	Invercote T, 220 g/m ²
Paper manufacturer:	Iggesund
Paper surface (coated/uncoated/surface sized):	coated (HWC)
Printing process, Printing machine:	unprinted; possible printing was not to be tested
Printing inks:	Silvershine AE 809 NC (solvent-containing rotogravure NC ink system based on a silver dollar pigment)

3. Total result

The samples were rated according to the benchmarking category “magazine coated”.

The total score is 100 out of 100 achievable points.

The overall deinkability of the current print product is “**good**”.

For an ecolabel application, more details about the printed product might be required.

4. Single Scores

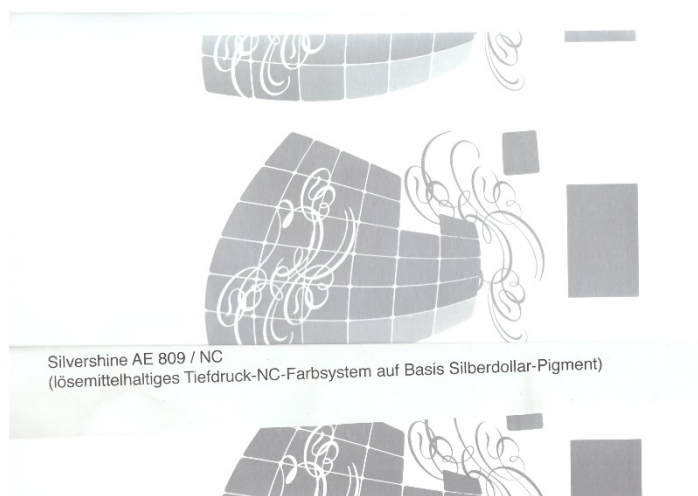
	Brightness Y	Colour a*	Dirt speck area A>50	Dirt speck area A>250	IE	ΔY	Total
Laboratory sample "Silvershine" AE 809 NV	35	20	15	10	10	10	100
Max. achievable scores	35	20	15	10	10	10	100

5. Evaluation of the result

The deinkability is rated according to the following scheme:

Score	Evaluation of deinkability	Laboratory sample "Silvershine"
71 to 100 Points	Good	x
51 to 70 Points	Fair	
0 to 50 Points	Poor	
Negative (failed to meet one or more thresholds)	Not suitable for deinking	

Print sample tested



Eckart GmbH
 Günterstal 4
 91235 Hartenstein

25 March 2021/DI47

Confirmation about the deinkability of a printed product

1. Test

The specified print product was tested according to INGEDE Method 11 and assessed according to the “Assessment of Printed Product Recyclability – Deinkability Score” (EPRC 2017).

2. Specifications:

Print product (name, incl. issue):	Laboratory Samples “Bottle packaging” with golden coloured decoration, otherwise unprinted
Paper:	unknown, 240 g/m ²
Paper manufacturer:	unknown
Paper surface (coated/uncoated/surface sized):	coated (HWC)
Printing process, Printing machine:	unprinted; possible printing was not to be tested
Printing inks:	TOPSTAR UV FPG 721 1000 SILVER (UV Offset ink, UV varnished)

3. Total result

The samples were rated according to the benchmarking category “magazine coated”.

The total score is 97 out of 100 achievable points.

The overall deinkability of the current print product is “**good**”.

For an ecolabel application, more details about the printed product might be required.

4. Single Scores

	Brightness Y	Colour a*	Dirt speck area A>50	Dirt speck area A>250	IE	ΔY	Total
Laboratory sample "Bottle packaging"	35	20	15	7	10	10	97
Max. achievable scores	35	20	15	10	10	10	100

5. Evaluation of the result

The deinkability is rated according to the following scheme:

Score	Evaluation of deinkability	Laboratory sample "Bottle packaging"
71 to 100 Points	Good	x
51 to 70 Points	Fair	
0 to 50 Points	Poor	
Negative (failed to meet one or more thresholds)	Not suitable for deinking	

Print sample tested

