

## EFFLUENT DATA

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# ILFOLAB 2150RC

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### 1 INTRODUCTION

This data sheet provides information to enable you to dispose of the ILFORD chemicals (recommended for use with the ILFOLAB 2150RC processor) in an environmentally safe way. In all cases, local regulations covering the disposal of waste must be consulted. Photographic processing products must not be discharged to local effluent systems without prior permission.

In the following tables, COD means chemical oxygen demand, g/l means grams per litre and ppm means parts per million.

### 2 ILFORD 2000TL DEVELOPER

ILFORD 2000TL developer diluted 1+2.75 (automatic dilution) generates waste containing the following typical constituents.

Constituent	Concentration (g/l)
Hydroquinone and its oxidation products	4 - 12
Carbonate ion	4 - 8
Bromide ion	1.8 - 2.6
COD	13

The pH value for the above waste is 10.3 - 10.6.

### 3 ILFORD 2000TL FIXER

ILFORD 2000TL fixer diluted 1+2.75 (automatic dilution) generates waste containing the following typical constituents.

Constituent	Concentration (g/l)
Ammonium ion	20 - 40
Thiosulphate ion	80 - 110
Silver	3 - 6
Bromide ion	4 - 10
COD	50

The pH value for the above waste is 5.1 - 5.7.

### 4 WASH WATER

During processing the water flow rate is fixed at 2 litres/min (6 litres/m<sup>2</sup> at maximum throughput) and the only constituent to note is silver. All other chemicals carried over from the fixer tank are diluted to approximately 250 times normal dilution, and can be discounted.

Constituent	Concentration (g/l)
Silver in wash water (and water overflow) of frequently used machine	Typically 0.03 (30 ppm)

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## 5 ILFOLAB 2150RC CHEMISTRY DISPOSAL

The ILFOLAB 2150RC processor uses unreplenished, total loss chemistry. When the solutions are exhausted they are drained and replaced with fresh chemistry. The waste from a fully exhausted machine (i.e. one that has processed 1000 sheets of 8x10 inch paper, or its equivalent) will contain the following typical constituents.

DEVELOPER  
(Total tank volume = 14 litres)

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Constituent	Waste composition (g/14 litres)
Hydroquinone and its oxidation products	170
Carbonate ion	112
Bromide ion	40
COD	200

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The pH value for the above waste is 10.3 - 10.6.

FIXER  
(Total tank volume = 14 litres)

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Constituent	Waste composition (g/14 litres)
Ammonium ion	560
Thiosulphate ion	1540
Silver ion	80
Bromide ion	100
COD	750

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The pH value for the above waste is 5.1 - 5.7.

WASH WATER  
(Total tank volume = 12 litres)

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Constituent	Waste composition (g/12 litres)
Ammonium ion	1.5
Silver ion	0.3 - 0.4

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For more information consult the process manual or contact your local ILFORD Selling Company.