

# Leniowa IPA\_20L

- Gravity **15.9 BLG**
- ABV **6.7 %**
- IBU **84**
- SRM **5**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.4 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **19.5 liter(s)**
- Total mash volume **26 liter(s)**

## Steps

- Temp **67 C**, Time **60 min**
- Temp **76 C**, Time **5 min**

## Mash step by step

- Heat up **19.5 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **5 min** at **76C**
- Sparge using **13.4 liter(s)** of **76C** water or to achieve **26.4 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Wayermann Pale Ale	3.2 kg (49.2%)	85 %	5
Grain	Wayermann Pilzniejszy	2.5 kg (38.5%)	80 %	4
Grain	Płatki owsiane	0.5 kg (7.7%)	85 %	3
Grain	Carahell	0.3 kg (4.6%)	77 %	26

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Simcoe	30 g	60 min	13.2 %
Boil	Simcoe	15 g	60 min	13.2 %
Boil	Galaxy	20 g	15 min	15 %
Boil	Galaxy	10 g	5 min	15 %
Aroma (end of boil)	Falconer's	15 g	30 min	11.3 %
Dry Hop	Simcoe	15 g	7 day(s)	13.2 %
Dry Hop	Equinox	30 g	5 day(s)	13.4 %
Dry Hop	Falconer's	15 g	7 day(s)	11.3 %

## Yeasts

Name	Type	Form	Amount	Laboratory
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gęstwa 1	Ale	Dry	11.76 g	Fermentis
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