

Lekka IPA

- Gravity **10.5 BLG**
- ABV **4.2 %**
- IBU **18**
- SRM **3.3**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **19 liter(s)**
- Trub loss **5 %**
- Size with trub loss **20.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **8 %/h**
- Boil size **24.2 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **9.6 liter(s)**
- Total mash volume **12.8 liter(s)**

Steps

- Temp **73 C**, Time **20 min**
- Temp **75 C**, Time **20 min**
- Temp **77 C**, Time **1 min**
- Temp **78 C**, Time **1 min**

Mash step by step

- Heat up **9.6 liter(s)** of strike water to **81.9C**
- Add grains
- Keep mash **20 min** at **73C**
- Keep mash **20 min** at **75C**
- Keep mash **1 min** at **77C**
- Keep mash **1 min** at **78C**
- Sparge using **17.8 liter(s)** of **76C** water or to achieve **24.2 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	1.5 kg (35.6%)	80 %	4
Grain	Pale Malt (2 Row) Bel	1 kg (23.8%)	80 %	4.5
Grain	Bestmalz Carmel Pils	0.3 kg (7.1%)	75 %	3.5
Grain	Viking Wheat Malt	0.3 kg (7.1%)	83 %	5
Adjunct	Płatki pszeniczne	0.5 kg (11.9%)	60 %	3
Adjunct	Płatki owsiane	0.5 kg (11.9%)	60 %	3
Grain	viking malt carmel 100	0.11 kg (2.6%)	60 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Aroma (end of boil)	Cascade	10 g	10 min	6 %
Aroma (end of boil)	Citra	10 g	10 min	12 %
Aroma (end of boil)	Amarillo	10 g	10 min	9.5 %
Whirlpool	Cascade	10 g	10 min	6 %
Whirlpool	Citra	10 g	10 min	12 %

Whirlpool	Amarillo	10 g	10 min	9.5 %
Dry Hop	Cascade	30 g	7 day(s)	6 %
Dry Hop	Citra	30 g	7 day(s)	12 %
Dry Hop	Amarillo	30 g	7 day(s)	9.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-33	Ale	Slant	700 ml	Fermentis

Extras

Type	Name	Amount	Use for	Time
Flavor	Laktoza	300 g	Boil	10 min
Flavor	Maltodekstryna	300 g	Boil	10 min