

# West Cost IPA Leó Browar light +

- Gravity **13.3 BLG**
- ABV **5.5 %**
- IBU **44**
- SRM **4.7**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **26 liter(s)**
- Trub loss **5 %**
- Size with trub loss **27.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **6 %/h**
- Boil size **30.6 liter(s)**

## Mash information

- Mash efficiency **68 %**
- Liquor-to-grist ratio **3.2 liter(s) / kg**
- Mash size **24 liter(s)**
- Total mash volume **31.5 liter(s)**

## Steps

- Temp **66 C**, Time **60 min**
- Temp **72 C**, Time **15 min**
- Temp **78 C**, Time **5 min**

## Mash step by step

- Heat up **24 liter(s)** of strike water to **73.2C**
- Add grains
- Keep mash **60 min** at **66C**
- Keep mash **15 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **14.1 liter(s)** of **76C** water or to achieve **30.6 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	3.5 kg (46.7%)	80 %	4
Grain	Briess - Pale Ale Malt	3 kg (40%)	80 %	7
Grain	Weyermann - Carapils	0.5 kg (6.7%)	78 %	4
Grain	Płatki pszeniczne	0.5 kg (6.7%)	60 %	3

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	15 g	60 min	12 %
Boil	Mosaic	45 g	15 min	11 %
Aroma (end of boil)	Amarillo	20 g	15 min	9.5 %
Whirlpool	Mosaic	45 g	0 min	11 %
Dry Hop	Mosaic	90 g	4 day(s)	11 %

## Yeasts

Name	Type	Form	Amount	Laboratory
FM54 Gorączka kalifornijska	Ale	Slant	150 ml	Fermentum Mobile

## Extras

Type	Name	Amount	Use for	Time
Water Agent	Gips piwowarski	8 g	Mash	60 min
Fining	Wirflook	5 g	Boil	10 min
Water Agent	chlorek potasu	3 g	Mash	70 min