

# Bananowy zawrót głowy

- Gravity **11.2 BLG**
- ABV **4.5 %**
- IBU **14**
- SRM **5.3**
- Style **Weizen/Weissbier**

## Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **29 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **14.6 liter(s)**
- Total mash volume **19.5 liter(s)**

## Steps

- Temp **48 C**, Time **20 min**
- Temp **63 C**, Time **45 min**
- Temp **72 C**, Time **20 min**
- Temp **76 C**, Time **1 min**

## Mash step by step

- Heat up **14.6 liter(s)** of strike water to **52.7C**
- Add grains
- Keep mash **20 min** at **48C**
- Keep mash **45 min** at **63C**
- Keep mash **20 min** at **72C**
- Keep mash **1 min** at **76C**
- Sparge using **19.3 liter(s)** of **76C** water or to achieve **29 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pszeniczny	3 kg (61.7%)	85 %	4
Grain	Pilzneński	0.3 kg (6.2%)	81 %	4
Grain	Karmelowy Pszeniczny Strzegom	0.065 kg (1.3%)	79 %	130
Grain	Monachijski	1.5 kg (30.8%)	80 %	16

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Sybilla	50 g	30 min	3.5 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Bavarian Wheat 11	Wheat	Dry	10 g	Gozdawa