

# Tani Mózgotrzep

- Gravity **16.1 BLG**
- ABV ---
- IBU **31**
- SRM **5.7**
- Style **Extra Special/Strong Bitter (English Pale Ale)**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **10 %**
- Size with trub loss **22 liter(s)**
- Boil time **70 min**
- Evaporation rate **15 %/h**
- Boil size **28.2 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **28 liter(s)**

## Steps

- Temp **62 C**, Time **60 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **21 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **60 min** at **62C**
- Keep mash **20 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **14.2 liter(s)** of **76C** water or to achieve **28.2 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	4 kg (57.1%)	75 %	5
Grain	Pilznieński	2 kg (28.6%)	81 %	4
Grain	Strzegom Monachijski typ I	1 kg (14.3%)	79 %	16

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	25 g	60 min	13.5 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Gozdawa Old German Altbier	Ale	Dry	10 g	---

## Extras

Type	Name	Amount	Use for	Time
Fining	Irish Moss	3 g	Boil	15 min