

# MOKO Działkowe ale 2020

- Gravity **10.2 BLG**
- ABV **4.1 %**
- IBU **34**
- SRM **5**
- Style **American Pale Ale**

## Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **10.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **20 %/h**
- Boil size **13.8 liter(s)**

## Mash information

- Mash efficiency **65 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **6.9 liter(s)**
- Total mash volume **9.2 liter(s)**

## Steps

- Temp **67 C**, Time **75 min**
- Temp **75 C**, Time **5 min**

## Mash step by step

- Heat up **6.9 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **75 min** at **67C**
- Keep mash **5 min** at **75C**
- Sparge using **9.2 liter(s)** of **76C** water or to achieve **13.8 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	1.5 kg (65.2%)	80 %	4
Grain	Strzegom Monachijski typ II	0.5 kg (21.7%)	79 %	22
Grain	Płatki owsiane	0.3 kg (13%)	85 %	3

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	5 g	60 min	11 %
Boil	lunga	10 g	30 min	11 %
Aroma (end of boil)	Dzikus działkowy	50 g	1 min	1 %

## Yeasts

Name	Type	Form	Amount	Laboratory
US-05	Ale	Dry	11.5 g	Fermentis

## Extras

Type	Name	Amount	Use for	Time
Finning	Mech irlandzki	2 g	Boil	10 min