Pils - Dupa Maryni

- Gravity 12.4 BLG
- ABV 5 %
- IBU **48**
- SRM 4.1

Batch size

- Expected quantity of finished beer 20 liter(s)
- Trub loss 0 %
- Size with trub loss 20 liter(s)
- Boil time 60 min
- Evaporation rate 10 %/h
- Boil size 22 liter(s)

Mash information

- Mash efficiency 80 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 12 liter(s)
- Total mash volume 16 liter(s)

Steps

- Temp **52** C, Time **10** min Temp **64** C, Time **30** min Temp **72** C, Time **30** min

- Temp 78 C, Time 10 min

Mash step by step

- Heat up 12 liter(s) of strike water to 57.3C
- Add grains
- Keep mash 10 min at 52C
- Keep mash 30 min at 64C
- Keep mash 30 min at 72C
- Keep mash 10 min at 78C
- Sparge using 14 liter(s) of 76C water or to achieve 22 liter(s) of wort

Fermentables

| Туре | Name | Amount | Yield | EBC |
|-------|-------------|-----------------------|-------|-----|
| Grain | Pilzneński | 3.5 kg <i>(87.5%)</i> | 81 % | 4 |
| Grain | Monachijski | 0.5 kg <i>(12.5%)</i> | 80 % | 16 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-------------------|--------|--------|------------|
| Boil | Marynka | 20 g | 60 min | 10 % |
| Boil | Marynka | 20 g | 30 min | 10 % |
| Boil | Lublin (Lubelski) | 30 g | 5 min | 4 % |

Yeasts

| Name | Туре | Form | Amount | Laboratory |
|---------------------------------------|-------|------|--------|-----------------|
| Mangrove Jack's M84 Bohemian Lager | Lager | Dry | 11 g | Mangrove Jack's |
| Gozdawa czech pilsner | Lager | Dry | 11 g | Gozdawa |

Extras

| Type Name Amount Use for Time |
|-------------------------------|
|-------------------------------|

| Fining | \\/:\rfloo | 2 ~ | Deil | E main |
|--------|------------|-----|------|--------|
| Fining | Wirfloc | 2 g | Boil | 5 min |